216726

PBW

Consulting Engineers and Scientists

PASTOR, BEHLING & WHEELER, LLC
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RECEIVED
BY SD DATE 4/16/07

April 12, 2007
(PBW Project No. 1381)

VIA OVERNIGHT COURIER

Mr. Gary Miller
Superfund Division, Region 6 (6SF-AP)
Arkansas/Texas Section
U.S. Environmental Protection Agency
1445 Ross Avenue, Suite 1200
Dallas, Texas 75202-2733

Re: March 2007 Monthly Status Report, Gulfco Marine Maintenance Site, Freeport, Texas

Dear Mr. Miller:

Pursuant to Section XII, Paragraph 53 of the modified Unilateral Administrative Order (UAO) for the above-referenced Site, Pastor, Behling & Wheeler, LLC (PBW) has prepared this monthly status report on behalf of LDL Coastal Limited LP (LDL), Chromalloy American Corporation (Chromalloy) and The Dow Chemical Company (Dow) (collectively referred to as Respondents in the UAO and the Statement of Work (SOW) attached thereto). As discussed in our telephone conversation on August 2, 2005, monthly status reports for a given month will be submitted by the 15th of the following month as required in Paragraph 53 of the UAO, rather than by the 10th of the following month as indicated in Appendix 1 of the UAO. In accordance with the UAO requirements this report addresses the topics listed below:

1. Actions which have been taken toward achieving compliance with the UAO during the previous month – The following actions were taken during the previous month:

   - RI/FS site characterization activities (SOW Paragraphs 34 through 36) detailed under Task 6 of the RI/FS Work Plan including:

     - Subtask 6.3 – Validation and evaluation of analytical data for soil samples collected from the on-site soil boring and surface soil sample locations were performed.
     - Subtask 6.6 – Validation and evaluation of analytical data for surface water samples from four Phase 2 wetland sample locations north of Marlin Avenue were performed.
     - Subtask 6.7 – Validation and evaluation of analytical data for sediment samples from 17 Phase 2 wetland sample locations north of Marlin Avenue were performed.
     - Subtask 6.8 –A pathway-specific risk assessment for the fish ingestion pathway was prepared and submitted to EPA on March 20, 2007.

   - Acquisition of access to properties immediately north of Marlin Avenue within the background soil area (UAO Paragraph 72) – access to these properties was

denied by the properties owner. A letter of denial received from the properties owner's attorney was forwarded to you via e-mail on March 12, 2007. Five of the ten proposed background soil samples are located on these properties.

- Although not required by the UAO, debris/trash removal and subsequent mowing activities were performed at the Site this month. These activities were proposed in a letter to you dated February 19, 2007, and were authorized by your letter of March 1, 2007. As part of these activities, approximately four roll-off bins (approximately 40 cubic yard volume each) of trash/debris were removed from the Site and disposed at the Seabreeze Environmental Landfill in Angleton, Texas. Consistent with directions in your March 1 letter, all material collected as part of these activities was inspected for visible chemical staining or mud/soil adhering to the material. Material with chemical staining or adhering soil was collected in plastic containment drums and has been staged on-site for later disposal.

2. Results of sampling, tests, modeling and all other data (including raw data) received or generated by or on behalf of Respondents during the previous month – The following data were received or generated during the previous month:

- Revised pages for previously submitted laboratory reports for Phase 2 wetland surface water and sediment samples, and tank content samples are provided in electronic form by sample delivery group on the enclosed DVD.

- Validation reports for wetland surface water and sediment data are provided in electronic form by sample delivery group on the DVD provided with this report.

- The updated database, including all data validated through March 31, 2006 is provided in electronic format on the enclosed DVD.

3. Actions, data and plans which are scheduled for the next two months and other information relating to the progress of work – The following actions are planned for the next two months:

- RI/FS site characterization activities (SOW Paragraphs 34 through 36) detailed under Task 6 of the RI/FS Work Plan (weather and access permitting) including:

    - Subtask 6.3 – Soil investigation – to be continued through additional soil sample collection, sample analyses, analytical data validation, and data evaluation.
    - Subtask 6.5 – Groundwater/NAPL investigation – to be continued through additional monitoring well installation and development, groundwater sample collection, sample analyses, analytical data validation, and data evaluation.
    - Subtask 6.6 – Surface water investigation – to be continued through analytical data evaluation.
    - Subtask 6.7 – Sediment investigation – to be continued through analytical data evaluation.

4. Information regarding percentage of completion, all delays encountered or anticipated that may affect the future schedule for completion of the work required, and efforts made to mitigate those delays or anticipated delays – RI/FS activities are approximately 35% complete. The following delays were encountered this month:

(1) The aforementioned denial of access to five of the ten background soil sampling locations has delayed and is continuing to delay soil investigation activities. We are working with you to mitigate the length of this delay through your contact of the property owner, and through the evaluation of alternative background sample locations.

(2) Significant rainfall at the Site during late March required postponement of monitoring well installation activities that were scheduled to start on March 19. To date, Site conditions have not allowed rescheduling of these activities. Should Site conditions persist in delaying these activities, we will evaluate relocation of proposed monitoring wells to more accessible areas, or possible use of alternative means of access to the proposed locations.

At present, it is uncertain how the above delays will affect the overall schedule for completion of the RI/FS.

Thank you for the opportunity to submit this status report. Should you have any questions, do not hesitate to contact me.

Sincerely,

PASTOR, BEHLING & WHEELER, LLC

Eric F. Pastor, P.E.
Principal Engineer

Attachments

cc (with DVD): Mr. Doug McReynolds – EA Engineering, Science and Technology

cc (w/o DVD): Ms. Luda Voskov – Texas Commission on Environmental Quality
Mr. Brent Murray – Environmental Quality, Inc.
Mr. Rob Rouse - The Dow Chemical Company
Mr. Allen Daniels - LDL Coastal Limited, LP
Mr. F. William Mahley - Strasburger & Price, LLP
Mr. James C. Morriss III - Thompson & Knight, LLP
Ms. Elizabeth Webb - Thompson & Knight, LLP

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 12/19/2006

GCAL Report 206120723

RESUBMITTED

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

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206120723

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.

This report is being resubmitted on 3/7/07 to report Hardness on samples 20612072305, 20612072306, and 20612072307 and to correct the client ID's on the Hexavalent chromium samples.

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis for analytical batch 338746, the MS/MSD exhibited sporadic recovery failures. 2-CVE was not recovered in the LCS and/or LCSD. This is attributed to matrix interference.

In the SW-846 8260B analysis for analytical batch 338821, 2-CVE was not recovered in the MS and MSD. This can be attributed to the acidic nature of the associated samples.

In the SW-846 8260B analysis, Acrolein, Acrylonitrile, Vinyl Acetate and 2-Chloroethyl vinyl ether were outside the control limits in the ICV analyzed on instrument MSV6 on 12/11/06.

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis for prep batch 338486, the MS/MSD exhibited sporadic recovery failuresThis is attributed to matrix interference. The MS/MSD exhibited RPD failures. Acenaphthylene, Benzidine, 4-Chloroaniline, 3-Nitroaniline, 4-Nitroaniline and 2-Nitroaniline was recovered outside of the established control limits for the LCS and/or LCSD.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A analysis, samples 20612072302 (2WSW1-001), 20612072303 (2WSW1-001 MS) and 20612072304 (2WSW1-001 MSD) exhibited low surrogate recoveries in the primary analysis. This sample was re-extracted and analyzed with a similar surrogate recovery. This is attributed to matrix interference.

In the SW-846 8081A analysis for prep batch 338402, the MS/MSD exhibited sporadic recovery and RPD failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

In the SW-846 8082 analysis for prep batch 338403, the MS/MSD exhibited sporadic recovery failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

METALS

In the SW-846 6010B Dissolved analysis, a chemical or physical interference necessitated a dilution for samples 20612072304 (2WSW1-001 MSD), 20612072302 (2WSW1-001), 20612072303 (2WSW1-001 MS), 20612072305 (2WSW2-002) and 20612072307 (2WSW3-003D). This is reflected in the elevated reporting limits.

In the SW-846 6010B analysis, a chemical or physical interference necessitated a dilution for samples 20612072302 (2WSW1-001), 20612072303 (2WSW1-001 MS) and 20612072304 (2WSW1-001 MSD).

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 2WSW2-002

Lab Code: LA024 Case No.:
Contract:

Matrix: (soil / water) Water
SAS No.: SDG No.: 206120723

Level: (low / med) % Solids:
Lab Sample ID: 20612072305

Date Received: 12/07/06 Time: 1025
Date Collected: 12/06/06 Time: 1415

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	0.33	mg/L	B	0.042	0.40	SW-846 6010B	P
Antimony	0.12	mg/L	U	0.0078	0.12	SW-846 6010B	P
Arsenic	0.020	mg/L	U	0.0048	0.020	SW-846 6010B	P
Barium	0.17	mg/L		0.00064	0.020	SW-846 6010B	P
Beryllium	0.010	mg/L	U	0.00019	0.010	SW-846 6010B	P
Boron	2.41	mg/L		0.053	2.00	SW-846 6010B	P
Cadmium	0.010	mg/L	U	0.00038	0.010	SW-846 6010B	P
Chromium	0.020	mg/L	U	0.0024	0.020	SW-846 6010B	P
Cobalt	0.020	mg/L	U	0.00055	0.020	SW-846 6010B	P
Copper	0.020	mg/L	U	0.0050	0.020	SW-846 6010B	P
Iron	0.34	mg/L		0.046	0.20	SW-846 6010B	P
Lead	0.030	mg/L	U	0.0026	0.030	SW-846 6010B	P
Lithium	0.25	mg/L		0.0070	0.10	SW-846 6010B	P
Manganese	0.089	mg/L		0.0012	0.030	SW-846 6010B	P
Mercury	0.00007	mg/L	B	0.00004	0.00020	SW-846 7470A	AV
Molybdenum	0.015	mg/L	B	0.0055	0.10	SW-846 6010B	P
Nickel	0.080	mg/L	U	0.00090	0.080	SW-846 6010B	P
Selenium	0.080	mg/L	U	0.0093	0.080	SW-846 6010B	P
Silver	0.020	mg/L	U	0.0012	0.020	SW-846 6010B	P
Strontium	6.64	mg/L		0.0019	0.10	SW-846 6010B	P
Thallium	0.040	mg/L	U	0.0018	0.040	SW-846 6010B	P
Tin	0.050	mg/L	U	0.012	0.050	SW-846 6010B	P
Titanium	0.0057	mg/L	B	0.0010	0.20	SW-846 6010B	P
Vanadium	0.040	mg/L	U	0.0023	0.040	SW-846 6010B	P
Zinc	0.040	mg/L	U	0.0047	0.040	SW-846 6010B	P
Hardness	5450	mg/L		0.25	1.32	SW-846 6010B	P

000872

RESUBMITTED

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSW3-003

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

Matrix: (soil / water) Water | SAS No.: | SDG No.: 206120723

Level: (low / med) | % Solids: | Lab Sample ID: 20612072306

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1500

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	0.17	mg/L	B	0.042	0.40	SW-846 6010B	P
Antimony	0.12	mg/L	U	0.0078	0.12	SW-846 6010B	P
Arsenic	0.020	mg/L	U	0.0048	0.020	SW-846 6010B	P
Barium	0.19	mg/L		0.00064	0.020	SW-846 6010B	P
Beryllium	0.010	mg/L	U	0.00019	0.010	SW-846 6010B	P
Boron	2.42	mg/L		0.053	2.00	SW-846 6010B	P
Cadmium	0.010	mg/L	U	0.00038	0.010	SW-846 6010B	P
Chromium	0.020	mg/L	U	0.0024	0.020	SW-846 6010B	P
Cobalt	0.020	mg/L	U	0.00055	0.020	SW-846 6010B	P
Copper	0.020	mg/L	U	0.0050	0.020	SW-846 6010B	P
Iron	0.19	mg/L	B	0.046	0.20	SW-846 6010B	P
Lead	0.030	mg/L	U	0.0026	0.030	SW-846 6010B	P
Lithium	0.24	mg/L		0.0070	0.10	SW-846 6010B	P
Manganese	0.018	mg/L	B	0.0012	0.030	SW-846 6010B	P
Mercury	0.00020	mg/L	U	0.00004	0.00020	SW-846 7470A	AV
Molybdenum	0.10	mg/L	U	0.0055	0.10	SW-846 6010B	P
Nickel	0.080	mg/L	U	0.00090	0.080	SW-846 6010B	P
Selenium	0.080	mg/L	U	0.0093	0.080	SW-846 6010B	P
Silver	0.020	mg/L	U	0.0012	0.020	SW-846 6010B	P
Strontium	6.08	mg/L		0.0019	0.10	SW-846 6010B	P
Thallium	0.040	mg/L	U	0.0018	0.040	SW-846 6010B	P
Tin	0.050	mg/L	U	0.012	0.050	SW-846 6010B	P
Titanium	0.0024	mg/L	B	0.0010	0.20	SW-846 6010B	P
Vanadium	0.040	mg/L	U	0.0023	0.040	SW-846 6010B	P
Zinc	0.040	mg/L	U	0.0047	0.040	SW-846 6010B	P
Hardness	5100	mg/L		0.25	1.32	SW-846 6010B	P

000874
RESUBMITTED

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSW3-003D

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

Matrix: (soil / water) Water | SAS No.: | SDG No.: 206120723

Level: (low / med) | % Solids: | Lab Sample ID: 20612072307

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1500

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	0.33	mg/L	B	0.042	0.40	SW-846 6010B	P
Antimony	0.12	mg/L	U	0.0078	0.12	SW-846 6010B	P
Arsenic	0.020	mg/L	U	0.0048	0.020	SW-846 6010B	P
Barium	0.21	mg/L		0.00064	0.020	SW-846 6010B	P
Beryllium	0.010	mg/L	U	0.00019	0.010	SW-846 6010B	P
Boron	2.59	mg/L		0.053	2.00	SW-846 6010B	P
Cadmium	0.010	mg/L	U	0.00038	0.010	SW-846 6010B	P
Chromium	0.020	mg/L	U	0.0024	0.020	SW-846 6010B	P
Cobalt	0.020	mg/L	U	0.00055	0.020	SW-846 6010B	P
Copper	0.020	mg/L	U	0.0050	0.020	SW-846 6010B	P
Iron	0.39	mg/L		0.046	0.20	SW-846 6010B	P
Lead	0.030	mg/L	U	0.0026	0.030	SW-846 6010B	P
Lithium	0.25	mg/L		0.0070	0.10	SW-846 6010B	P
Manganese	0.038	mg/L		0.0012	0.030	SW-846 6010B	P
Mercury	0.00020	mg/L	U	0.00004	0.00020	SW-846 7470A	AV
Molybdenum	0.10	mg/L	U	0.0055	0.10	SW-846 6010B	P
Nickel	0.080	mg/L	U	0.00090	0.080	SW-846 6010B	P
Selenium	0.080	mg/L	U	0.0093	0.080	SW-846 6010B	P
Silver	0.020	mg/L	U	0.0012	0.020	SW-846 6010B	P
Strontium	6.42	mg/L		0.0019	0.10	SW-846 6010B	P
Thallium	0.0053	mg/L	B	0.0018	0.040	SW-846 6010B	P
Tin	0.050	mg/L	U	0.012	0.050	SW-846 6010B	P
Titanium	0.0034	mg/L	B	0.0010	0.20	SW-846 6010B	P
Vanadium	0.040	mg/L	U	0.0023	0.040	SW-846 6010B	P
Zinc	0.040	mg/L	U	0.0047	0.040	SW-846 6010B	P
Hardness	5190	mg/L		0.25	1.32	SW-846 6010B	P

000876
RESUBMITTED

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072310	2WSW6-006 (DISS)	Water	12/06/2006 12:45	12/07/2006 10:25

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/07/2006 11:26	BMC	338385

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.003	mg/L

001137
RESUBMITTED

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072311	**2WSW1-001 (DISS)**	Water	12/06/2006 13:30	12/07/2006 10:25

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/07/2006 11:23	BMC	338385

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.008B	0.010	0.003	mg/L

001138
RESUBMITTED

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072312	**2WSW1-001 MS (DISS)**	Water	12/06/2006 13:30	12/07/2006 10:25

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/07/2006 11:24	BMC	338385

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.418	0.010	0.003	mg/L

001139

RESUBMITTED

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072313	**2WSW1-001 MSD (DISS)**	Water	12/06/2006 13:30	12/07/2006 10:25

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/07/2006 11:24	BMC	338385

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.435	0.010	0.003	mg/L

001140

RESUBMITTED

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072314	**2WSW2-002 (DISS)**	Water	12/06/2006 14:15	12/07/2006 10:25

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/07/2006 11:25	BMC	338385

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.003	mg/L

001141
RESUBMITTED

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072315	**2WSW3-003 (DISS)**	Water	12/06/2006 15:00	12/07/2006 10:25

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/07/2006 11:20	BMC	338385

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.003	mg/L

001142

RESUBMITTED

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072316	**2WSW3-003D (DISS)**	Water	12/06/2006 15:00	12/07/2006 10:25

7196A Water Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/07/2006 11:26	BMC	338385

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.010U	0.010	0.003	mg/L

001143

RESUBMITTED

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.: 206120723			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 3/6/07			
ITEM	**Yes**	**No**	**NA**	**Comment Number**
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			3.
4. Field QC sample frequency met project requirements?	x			4.
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 DCS?	x			
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?	x			
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?	x			
22. Samples analyzed within holding time?	x			
23. Detection limit and quantitation limit included?	x			
24. Project target limits achieved?		x		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 attached
31. Equipment and Trip blank results <RL (MDL)?		x		see attached
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		34. see attached
35. LCS/LCSD RPDs within project control limits?	x			
36. MS/MSD RPDs within project control limits?		x		see attached
37. Laboratory duplicate RPDs/Diffs within project control limits?	x			
38. Field duplicate RPDs/Diffs within project control limits?	x			
39. Surrogate recoveries within project control limits?		x		see attached
40. Completeness percentage within project limits?		x		40.

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

034006

COMMENTS

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

Level IV Check - Metals Total vs. Dissolved also included after deficiencies noted in previous samples. Total < Dissolved for 17 of 127 metals results pairs. See attached for deficiencies noted. All affected pairs qualified as estimated (J/ UJ). Total and Dissolved samples were run on the same instrument and shift. In no case are all the results for a given metal affected (as in previous ICWW and FWP/SP samples) and only four of the affected pairs show a difference >30%. Thus, no further evaluation or reanalyses were completed.

3. Total Hex Chrome is requested on the Chain of Custody but was not reported. PBW cancelled the Total analyses after the lab communicated that all samples are filtered as part of the analytical procedure and thus there is no difference between Total and Dissolved.

4. There is no VOC trip blank but a Field Blank was collected and shows any contamination introduced during shipment.

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

VOC – 2CVE not recovered in the LCS for batch 338746 (samples all reanalyzed for this analyte on different instrument); 2CVE not recovered in the MS/MSD for batch 338821 due to acidic nature of samples

PEST – samples 02 (unspiked), 03 (MS) and 04 (MSD) have low SUs, samples were re-extracted and analyzed with similar recovery due to matrix effect

CONV – for Hex Chromium, all analyses are performed as Dissolved Hex Cr as the method requires filtration through a 0.45 um filter prior to analysis.

11. Samples diluted for Total and Dissolved metals analysis due to chemical or physical interference.

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

	Target MDL (mg/L)	Actual MDL (mg/L)
Copper	0.002	0.0025
Hexachlorobutadiene	0.0004	0.00045
3,3'-Dichlorobenzidine	0.0005	0.00208

Note that the MDLs have been routinely updated by the laboratory (based on new MDL studies and/or MDL check standards) since the first round of surface water sampling. (Actual MDLs were above the Targets for Copper and Hexavalent Chromium during the first round.) All MQLs remain unchanged except for Arsenic (which was updated to 0.01 mg/L from 0.04 mg/L) and all meet the Target MQLs.

25. Samples 02-07 diluted 2x for Total and Dissolved metals.

28. Results, SDLs, and SQLs are in mg/L as requested. However, the user should note that the MDLs and MQLs for organics are in ug/L 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.

34. Though not specifically required per the USEPA National Functional Guidelines, non-detect results for 2-Chloroethylvinyl ether were qualified as rejected (R) because the matrix spike recovery (0%) indicates this analyte is destroyed by the preservative for aqueous samples.

40. Completeness on an analyte-level is below the project goal of 80% for 2-Chloroethylvinyl ether (0%), Benzidine (77%), Benzoic acid (77%), and Pyridine (68%). For 2-CEVE, this analyte is known to be destroyed by the preservative for aqueous samples. The proposed corrective action is to collect future SW VOC samples without preservative. For Benzidine, Benzoic acid, and Pyridine, these analytes are known to be subject to poor performance and are not historically associated with the site. The laboratory has been notified that completeness is low for these analytes and is closely monitoring performance and maintenance of the column, injection port, etc. to ensure maximum data usability.

034007

SET SUMMARY
Laboratory Job No.: 206120723

5	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
1	Number of Field Blanks
0	Number of VOC Trip Blanks
8	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals-Total, Metals-Dissolved, Cr VI-Dissolved, TSS)
226	Number of Target Analytes per Sample
1130	Total Measurements for Field Samples
777	Number of measurements with no validation qualifier (i.e., "none" in EDD)
262	Number of measurements with UJ flag (for various analytes due to low laboratory, matrix, and/or surrogate spike recovery; poor calibration fit and/or negative drift)
13	Number of measurements with UJ flag and an elevated SDL (for 1,2-Dibromo-3-chloropropane, Acrolein, and Benzoic acid due to poor instrument response, i.e., low RRF)
4	Number of measurements with UJ flag (for Copper and Thallium due to the Total metal concentration < Dissolved metal concentration)
0	Number of measurements with J- flag
27	Number of measurements with J flag (due solely to result being between the SDL and SQL)
27	Number of measurements with J flag (for various metals due to the Total metal concentration < Dissolved metal concentration plus, in some cases, the result being between the SDL and SQL
0	Number of measurements with J+ flag
10	Number of measurements with U flag (due to blank contamination; analytes affected include Acetone, Diethyl phthalate, Naphthalene, and Thallium)
0	Number of measurements with NS flag
10	Number of measurements with R flag (for five 2-Chloroethylvinyl ether non-detects because matrix spike recovery (0%) indicates analyte destroyed by preservative for aqueous samples and for five Benzidine non-detects due to extremely low LCSD recovery)
100%	Completeness-to-date on a sample level (percentage of surface water samples, including all first and second round ICWW and pond surface waters, with usable data, project goal 90%)
0%	Completeness-to-date on an analyte level (percentage of surface water samples, including all first and second round ICWW and pond surface waters, with usable data for a specific analyte, project goal 80%) – 2-Chloro-ethylvinyl ether
77%	Completeness-to-date on an analyte level (percentage of surface water samples, including all first and second round ICWW and pond surface waters, with usable data for a specific analyte, project goal 80%) – Benzidine
77%	Completeness-to-date on an analyte level (percentage of surface water samples, including all first and second round ICWW and pond surface waters, with usable data for a specific analyte, project goal 80%) – Benzoic acid
68%	Completeness-to-date on an analyte level (percentage of surface water samples, including all first and second round ICWW and pond surface waters, with usable data for a specific analyte, project goal 80%) – Pyridine
100%	Completeness-to-date on an analyte level (percentage of surface water samples, including all first and second round ICWW and pond surface waters, with usable data for a specific analyte, project goal 80%) – all other target analytes

Usability: All data suitable as qualified for the intended use except for the five results for 2-Chloroethylvinyl ether (all non-detects) and the five results for Benzidine (all non-detects). Data for 1,2-Dibromo-3-chloropropane, Acrolein, and Benzoic acid are usable with an elevated reporting limit for the non-detects (as given in the Electronic Data Deliverable). Measurements qualified with U-flag should be considered not present at the concentration reported.

034008

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW1-001	total	Copper	J	result between SDL and SQL
2WSW1-001	dissolved	Copper	J	result between SDL and SQL
2WSW1-001	total	Molybdenum	J	Total < Dissolved; result between SDL and SQL
2WSW1-001	dissolved	Molybdenum	J	Total < Dissolved; result between SDL and SQL
2WSW1-001	total	Nickel	J	result between SDL and SQL
2WSW1-001	dissolved	Nickel	J	result between SDL and SQL
2WSW1-001	total	Thallium	UJ	Total < Dissolved
2WSW1-001	dissolved	Thallium	U	field blank contamination (0.0026 B mg/L); Total < Dissolved; result between SDL and SQL
2WSW1-001	total	Titanium	J	result between SDL and SQL
2WSW1-001	total	Mercury	J	result between SDL and SQL
2WSW1-001		4,4'-DDD	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		4,4'-DDE	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		4,4'-DDT	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Aldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		alpha-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		alpha-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		beta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		delta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Dieldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Endosulfan I	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Endosulfan II	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Endosulfan sulfate	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Endrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Endrin aldehyde	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Endrin ketone	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		gamma-BHC (Lindane)	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		gamma-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Heptachlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Heptachlor epoxide	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Methoxychlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Toxaphene	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (42%); low SU2 recovery (35%)
2WSW1-001		Aroclor-1016	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (42%)
2WSW1-001		Aroclor-1221	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (42%)
2WSW1-001		Aroclor-1232	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (42%)

034009

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW1-001		Aroclor-1242	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (42%)
2WSW1-001		Aroclor-1248	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (42%)
2WSW1-001		Aroclor-1254	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (42%)
2WSW1-001		Aroclor-1260	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (42%)
2WSW1-001		1,2-Dibromo-3-chloropropane	UJ	low instrument response (low RRF), elevate SDL for NDs 6x (SW)
2WSW1-001		1,2-Dichloroethane	J	result between SDL and SQL
2WSW1-001		2-Chloroethylvinyl ether	R	extremely low ave MS/MSD recovery (0%); low instrument response (low RRF), elevate SDL for NDs 37x (SW)
2WSW1-001		Acrolein	J	result between SDL and SQL
2WSW1-001		Bromomethane	UJ	calibration drift (%D= -21)
2WSW1-001		Chloroform	UJ	poor calibration fit (%RSD=18)
2WSW1-001		Naphthalene	U	laboratory blank contamination (0.000965 J mg/L); field blank contamination (0.00104 JB mg/L); result between SDL and SQL
2WSW1-001		2,4,5-Trichlorophenol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		2,4,6-Trichlorophenol	UJ	poor calibration fit (%RSD=19); low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		2,4-Dichlorophenol	UJ	poor calibration fit (%RSD=24); low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		2,4-Dimethylphenol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		2,4-Dinitrophenol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		2-Chlorophenol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		2-Nitrophenol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		4,6-Dinitro-2-methylphenol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		4-Chloro-3-methylphenol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		4-Chloroaniline	UJ	low ave MS/MSD recovery (43%)
2WSW1-001		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (31.5%); low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		Aniline	UJ	low ave MS/MSD recovery (25%)
2WSW1-001		Benzidine	R	extremely low ave LCS/LCSD recovery (0%); improper calibration (single-point); calibration drift (%D= -74); low ave MS/MSD recovery (5%)
2WSW1-001		Benzo(a)pyrene	UJ	poor calibration fit (%RSD=16)
2WSW1-001		Benzo(b)fluoranthene	UJ	low ave MS/MSD recovery (59.5%)
2WSW1-001		Benzoic acid	UJ	low ave LCS/LCSD recovery (24%); low ave MS/MSD recovery (51%)
2WSW1-001		Caprolactam	UJ	low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (20.5%)
2WSW1-001		Diethyl phthalate	U	laboratory blank contamination (0.00207 J mg/L); result between SDL and SQL
2WSW1-001		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (47%); low ave MS/MSD recovery (45%)
2WSW1-001		Hexachloroethane	UJ	low ave MS/MSD recovery (55.5%)
2WSW1-001		m,p-Cresol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		n-Nitrosodimethylamine	UJ	low ave LCS/LCSD recovery (42.5%); low ave MS/MSD recovery (35%)
2WSW1-001		o-Cresol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		Pentachlorophenol	UJ	low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		Phenol	UJ	low ave LCS/LCSD recovery (29.5%); low ave MS/MSD recovery (32.5%); low acid SU recovery (37%); low acid SU recovery (29%)
2WSW1-001		Pyridine	UJ	poor calibration fit (%RSD=22); low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (16%)

034010

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_ dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW1-001 (DISS)		Chromium VI	J	result between SDL and SQL
2WSW2-002	total	Aluminum	J	result between SDL and SQL
2WSW2-002	total	Copper	UJ	Total < Dissolved
2WSW2-002	dissolved	Copper	J	Total < Dissolved; result between SDL and SQL
2WSW2-002	total	Molybdenum	J	result between SDL and SQL
2WSW2-002	dissolved	Molybdenum	J	result between SDL and SQL
2WSW2-002	total	Thallium	UJ	Total < Dissolved
2WSW2-002	dissolved	Thallium	U	field blank contamination (0.0026 B mg/L); Total < Dissolved; result between SDL and SQL
2WSW2-002	total	Titanium	J	result between SDL and SQL
2WSW2-002	total	Mercury	J	Total < Dissolved; result between SDL and SQL
2WSW2-002	dissolved	Mercury	J	Total < Dissolved; result between SDL and SQL
2WSW2-002		4,4'-DDD	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		4,4'-DDE	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		4,4'-DDT	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Aldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		alpha-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		alpha-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		beta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		delta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Dieldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Endosulfan I	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Endosulfan II	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Endosulfan sulfate	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Endrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Endrin aldehyde	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Endrin ketone	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		gamma-BHC (Lindane)	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		gamma-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Heptachlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Heptachlor epoxide	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Methoxychlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Toxaphene	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW2-002		Aroclor-1016	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW2-002		Aroclor-1221	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW2-002		Aroclor-1232	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW2-002		Aroclor-1242	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW2-002		Aroclor-1248	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW2-002		Aroclor-1254	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW2-002		Aroclor-1260	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW2-002		1,2-Dibromo-3-chloropropane	UJ	low instrument response (low RRF), elevate SDL for NDs 6x (SW)
2WSW2-002		1,2-Dichloroethane	J	result between SDL and SQL
2WSW2-002		2-Chloroethylvinyl ether	R	extremely low ave MS/MSD recovery (0%); low instrument response (low RRF), elevate SDL for NDs 37x (SW)
2WSW2-002		Acetone	U	field blank contamination (0.017 J mg/L); calibration drift (%D= 79); high LCS recovery (141%); high ave MS/MSD recovery (169.5%); result between SDL and SQL
2WSW2-002		Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 13x (SW)
2WSW2-002		Bromomethane	UJ	calibration drift (%D= -21)
2WSW2-002		Chloroform	UJ	poor calibration fit (%RSD=18)

034011

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW2-002		2,4,5-Trichlorophenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		2,4,6-Trichlorophenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		2,4-Dichlorophenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		2,4-Dimethylphenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		2,4-Dinitrophenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		2-Chlorophenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		2-Nitrophenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		4,6-Dinitro-2-methylphenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		4-Chloro-3-methylphenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		4-Chloroaniline	UJ	low ave MS/MSD recovery (43%)
2WSW2-002		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (31.5%); low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		Aniline	UJ	low ave MS/MSD recovery (25%)
2WSW2-002		Benzidine	R	extremely low ave LCS/LCSD recovery (0%); low ave MS/MSD recovery (5%)
2WSW2-002		Benzo(b)fluoranthene	UJ	low ave MS/MSD recovery (59.5%)
2WSW2-002		Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed), 10x (SW); calibration drift (%D= -22); low ave LCS/LCSD recovery (24%); low ave MS/MSD recovery (51%)
2WSW2-002		Caprolactam	UJ	low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (20.5%)
2WSW2-002		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (47%); low ave MS/MSD recovery (45%)
2WSW2-002		Hexachloroethane	UJ	low ave MS/MSD recovery (55.5%)
2WSW2-002		m,p-Cresol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); calibration drift (%D= -24); low ave LCS/LCSD recovery (42.5%); low ave MS/MSD recovery (35%)
2WSW2-002		o-Cresol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		Pentachlorophenol	UJ	low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		Phenol	UJ	low ave LCS/LCSD recovery (29.5%); low ave MS/MSD recovery (32.5%); low acid SU recovery (49%); low acid SU recovery (39%)
2WSW2-002		Pyridine	UJ	poor calibration fit (%RSD=24); calibration drift (%D= -38); low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (16%)
2WSW3-003	total	Aluminum	J	result between SDL and SQL
2WSW3-003	total	Barium	J	Total < Dissolved
2WSW3-003	dissolved	Barium	J	Total < Dissolved
2WSW3-003	total	Boron	J	Total < Dissolved
2WSW3-003	dissolved	Boron	J	Total < Dissolved
2WSW3-003	total	Iron	J	result between SDL and SQL
2WSW3-003	total	Lithium	J	Total < Dissolved
2WSW3-003	dissolved	Lithium	J	Total < Dissolved
2WSW3-003	total	Manganese	J	Total < Dissolved; result between SDL and SQL
2WSW3-003	dissolved	Manganese	J	Total < Dissolved; result between SDL and SQL
2WSW3-003	total	Strontium	J	Total < Dissolved
2WSW3-003	dissolved	Strontium	J	Total < Dissolved
2WSW3-003	total	Titanium	J	result between SDL and SQL
2WSW3-003		4,4'-DDD	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		4,4'-DDE	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		4,4'-DDT	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Aldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)

034012

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_ dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW3-003		alpha-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		alpha-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		beta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		delta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Dieldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Endosulfan I	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Endosulfan II	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Endosulfan sulfate	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Endrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Endrin aldehyde	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Endrin ketone	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		gamma-BHC (Lindane)	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		gamma-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Heptachlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Heptachlor epoxide	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Methoxychlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Toxaphene	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003		Aroclor-1016	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003		Aroclor-1221	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003		Aroclor-1232	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003		Aroclor-1242	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003		Aroclor-1248	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003		Aroclor-1254	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003		Aroclor-1260	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003		1,2-Dibromo-3-chloropropane	UJ	low instrument response (low RRF), elevate SDL for NDs 6x (SW)
2WSW3-003		1,2-Dichloroethane	J	result between SDL and SQL
2WSW3-003		2-Chloroethylvinyl ether	R	extremely low ave MS/MSD recovery (0%); low instrument response (low RRF), elevate SDL for NDs 37x (SW)
2WSW3-003		Acetone	U	field blank contamination (0.017 J mg/L); calibration drift (%D= 79); high LCS recovery (141%); high ave MS/MSD recovery (169.5%); result between SDL and SQL
2WSW3-003		Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 13x (SW)
2WSW3-003		Bromomethane	UJ	calibration drift (%D= -21)
2WSW3-003		Chloroform	UJ	poor calibration fit (%RSD=18)
2WSW3-003		2,4,5-Trichlorophenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		2,4,6-Trichlorophenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		2,4-Dichlorophenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		2,4-Dimethylphenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		2,4-Dinitrophenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		2-Chlorophenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		2-Nitrophenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		4,6-Dinitro-2-methylphenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		4-Chloro-3-methylphenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		4-Chloroaniline	UJ	low ave MS/MSD recovery (43%)
2WSW3-003		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (31.5%); low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		Aniline	UJ	low ave MS/MSD recovery (25%)
2WSW3-003		Benzidine	R	extremely low ave LCS/LCSD recovery (0%); low ave MS/MSD recovery (5%)
2WSW3-003		Benzo(b)fluoranthene	UJ	low ave MS/MSD recovery (59.5%)

034013

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW3-003		Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed), 10x (SW); low ave LCS/LCSD recovery (24%); low ave MS/MSD recovery (51%)
2WSW3-003		Caprolactam	UJ	low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (20.5%)
2WSW3-003		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (47%); low ave MS/MSD recovery (45%)
2WSW3-003		Hexachloroethane	UJ	low ave MS/MSD recovery (55.5%)
2WSW3-003		m,p-Cresol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave LCS/LCSD recovery (42.5%); low ave MS/MSD recovery (35%)
2WSW3-003		o-Cresol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		Pentachlorophenol	UJ	low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		Phenol	UJ	low ave LCS/LCSD recovery (29.5%); low ave MS/MSD recovery (32.5%); low acid SU recovery (32%); low acid SU recovery (25%)
2WSW3-003		Pyridine	UJ	poor calibration fit (%RSD=24); low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (16%)
2WSW3-003D	total	Aluminum	J	result between SDL and SQL
2WSW3-003D	total	Barium	J	Total < Dissolved
2WSW3-003D	dissolved	Barium	J	Total < Dissolved
2WSW3-003D	total	Boron	J	Total < Dissolved
2WSW3-003D	dissolved	Boron	J	Total < Dissolved
2WSW3-003D	total	Lithium	J	Total < Dissolved
2WSW3-003D	dissolved	Lithium	J	Total < Dissolved
2WSW3-003D	total	Strontium	J	Total < Dissolved
2WSW3-003D	dissolved	Strontium	J	Total < Dissolved
2WSW3-003D	total	Thallium	U	field blank contamination (0.0026 B mg/L); result between SDL and SQL
2WSW3-003D	dissolved	Thallium	U	field blank contamination (0.0026 B mg/L); result between SDL and SQL
2WSW3-003D	total	Titanium	J	result between SDL and SQL
2WSW3-003D		4,4'-DDD	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		4,4'-DDE	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		4,4'-DDT	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Aldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		alpha-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		alpha-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		beta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		delta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Dieldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Endosulfan I	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Endosulfan II	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Endosulfan sulfate	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Endrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Endrin aldehyde	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Endrin ketone	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		gamma-BHC (Lindane)	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		gamma-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Heptachlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Heptachlor epoxide	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Methoxychlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Toxaphene	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)
2WSW3-003D		Aroclor-1016	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)

034014

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW3-003D		Aroclor-1221	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003D		Aroclor-1232	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003D		Aroclor-1242	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003D		Aroclor-1248	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003D		Aroclor-1254	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003D		Aroclor-1260	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%)
2WSW3-003D		1,2-Dibromo-3-chloropropane	UJ	low instrument response (low RRF), elevate SDL for NDs 6x (SW)
2WSW3-003D		2-Chloroethylvinyl ether	R	extremely low ave MS/MSD recovery (0%); low instrument response (low RRF), elevate SDL for NDs 37x (SW)
2WSW3-003D		Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 13x (SW)
2WSW3-003D		Bromomethane	UJ	calibration drift (%D= -21)
2WSW3-003D		Chloroform	UJ	poor calibration fit (%RSD=18)
2WSW3-003D		2,4,5-Trichlorophenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		2,4,6-Trichlorophenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		2,4-Dichlorophenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		2,4-Dimethylphenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		2,4-Dinitrophenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		2-Chlorophenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		2-Nitrophenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		4,6-Dinitro-2-methylphenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		4-Chloro-3-methylphenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		4-Chloroaniline	UJ	low ave MS/MSD recovery (43%)
2WSW3-003D		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (31.5%); low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		Aniline	UJ	low ave MS/MSD recovery (25%)
2WSW3-003D		Benzidine	R	extremely low ave LCS/LCSD recovery (0%); low ave MS/MSD recovery (5%)
2WSW3-003D		Benzo(b)fluoranthene	UJ	low ave MS/MSD recovery (59.5%)
2WSW3-003D		Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed), 10x (SW); low ave LCS/LCSD recovery (24%); low ave MS/MSD recovery (51%)
2WSW3-003D		Caprolactam	UJ	low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (20.5%)
2WSW3-003D		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (47%); low ave MS/MSD recovery (45%)
2WSW3-003D		Hexachloroethane	UJ	low ave MS/MSD recovery (55.5%)
2WSW3-003D		m,p-Cresol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave LCS/LCSD recovery (42.5%); low ave MS/MSD recovery (35%)
2WSW3-003D		o-Cresol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		Pentachlorophenol	UJ	low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		Phenol	UJ	low ave LCS/LCSD recovery (29.5%); low ave MS/MSD recovery (32.5%); low acid SU recovery (31%); low acid SU recovery (22%)
2WSW3-003D		Pyridine	UJ	poor calibration fit (%RSD=24); low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (16%)
2WSW6-006	total	Boron	J	Total < Dissolved; result between SDL and SQL
2WSW6-006	dissolved	Boron	J	Total < Dissolved; result between SDL and SQL
2WSW6-006	total	Copper	J	result between SDL and SQL
2WSW6-006	dissolved	Copper	J	result between SDL and SQL
2WSW6-006	total	Molybdenum	J	result between SDL and SQL
2WSW6-006	dissolved	Molybdenum	J	result between SDL and SQL

034015

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_ dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW6-006	total	Nickel	J	result between SDL and SQL
2WSW6-006	dissolved	Nickel	J	result between SDL and SQL
2WSW6-006	total	Strontium	J	Total < Dissolved
2WSW6-006	dissolved	Strontium	J	Total < Dissolved
2WSW6-006	total	Thallium	UJ	Total < Dissolved
2WSW6-006	dissolved	Thallium	U	field blank contamination (0.0026 B mg/L); Total < Dissolved; result between SDL and SQL
2WSW6-006	total	Titanium	J	result between SDL and SQL
2WSW6-006		4,4'-DDD	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		4,4'-DDE	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		4,4'-DDT	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Aldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		alpha-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		alpha-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		beta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		delta-BHC	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Dieldrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Endosulfan I	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Endosulfan II	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Endosulfan sulfate	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Endrin	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Endrin aldehyde	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Endrin ketone	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		gamma-BHC (Lindane)	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		gamma-Chlordane	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Heptachlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Heptachlor epoxide	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Methoxychlor	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Toxaphene	UJ	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%); low SU1 recovery (50%); low SU2 recovery (48%)
2WSW6-006		Aroclor-1016	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (50%)
2WSW6-006		Aroclor-1221	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (50%)
2WSW6-006		Aroclor-1232	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (50%)
2WSW6-006		Aroclor-1242	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (50%)
2WSW6-006		Aroclor-1248	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (50%)

034016

QUALIFIED DATA TABLE

Field Sample Identification	Total_or_ dissolved	Analyte	Data Qualifier	Reason for Qualification
2WSW6-006		Aroclor-1254	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (50%)
2WSW6-006		Aroclor-1260	UJ	low ave MS/MSD recovery for all spiked Aroclors (40-42%); low SU recovery (50%)
2WSW6-006		1,2-Dibromo-3-chloropropane	UJ	low instrument response (low RRF), elevate SDL for NDs 6x (SW)
2WSW6-006		2-Chloroethylvinyl ether	R	extremely low ave MS/MSD recovery (0%); low instrument response (low RRF), elevate SDL for NDs 37x (SW)
2WSW6-006		Acetone	U	field blank contamination (0.017 J mg/L); calibration drift (%D= 79); high LCS recovery (141%); high ave MS/MSD recovery (169.5%); result between SDL and SQL
2WSW6-006		Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 13x (SW)
2WSW6-006		Bromomethane	UJ	calibration drift (%D= -21)
2WSW6-006		Chloroform	UJ	poor calibration fit (%RSD=18)
2WSW6-006		2,4,5-Trichlorophenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		2,4,6-Trichlorophenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		2,4-Dichlorophenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		2,4-Dimethylphenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		2,4-Dinitrophenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		2-Chlorophenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		2-Nitrophenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		4,6-Dinitro-2-methylphenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		4-Chloro-3-methylphenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		4-Chloroaniline	UJ	low ave MS/MSD recovery (43%)
2WSW6-006		4-Nitrophenol	UJ	low ave LCS/LCSD recovery (25.5%); low ave MS/MSD recovery (31.5%); low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		Aniline	UJ	low ave MS/MSD recovery (25%)
2WSW6-006		Benzidine	R	extremely low ave LCS/LCSD recovery (0%); low ave MS/MSD recovery (5%)
2WSW6-006		Benzo(b)fluoranthene	UJ	low ave MS/MSD recovery (59.5%)
2WSW6-006		Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed), 10x (SW); low ave LCS/LCSD recovery (24%); low ave MS/MSD recovery (51%)
2WSW6-006		Caprolactam	UJ	low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (20.5%)
2WSW6-006		Hexachlorocyclopentadiene	UJ	low ave LCS/LCSD recovery (47%); low ave MS/MSD recovery (45%)
2WSW6-006		Hexachloroethane	UJ	low ave MS/MSD recovery (55.5%)
2WSW6-006		m,p-Cresol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave LCS/LCSD recovery (42.5%); low ave MS/MSD recovery (35%)
2WSW6-006		o-Cresol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		Pentachlorophenol	UJ	low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		Phenol	UJ	low ave LCS/LCSD recovery (29.5%); low ave MS/MSD recovery (32.5%); low acid SU recovery (37%); low acid SU recovery (27%)
2WSW6-006		Pyridine	UJ	poor calibration fit (%RSD=24); low ave LCS/LCSD recovery (19%); low ave MS/MSD recovery (16%)

034017

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 338381 [DIGM/13319]	436499	LB	SW6010B	total	W	Cadmium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/13/06	15:04	laboratory blank contamination (0.00021 B mg/L)	338700
MB for HBN 338381 [DIGM/13319]	436499	LB	SW6010B	total	W	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/13/06	15:04	laboratory blank contamination (0.00059 B mg/L)	338700
MB for HBN 338381 [DIGM/13319]	436499	LB	SW6010B	total	W	Manganese	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/13/06	15:04	laboratory blank contamination (0.0006 B mg/L)	338700
2WSW7-FB	20612072308	FLDBK	SW6010B	total	W	Arsenic	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/11/06	17:42	field blank contamination (0.0036 B mg/L)	338566
2WSW7-FB	20612072308	FLDBK	SW6010B	total	W	Boron	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/11/06	17:42	field blank contamination (0.087 B mg/L)	338566
2WSW7-FB	20612072308	FLDBK	SW6010B	total	W	Cobalt	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/11/06	17:42	field blank contamination (0.00031 B mg/L)	338566
2WSW7-FB	20612072308	FLDBK	SW6010B	total	W	Hardness	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/11/06	17:42	field blank contamination (0.34 B mg/L)	338566
2WSW7-FB	20612072308	FLDBK	SW6010B	total	W	Thallium	U to RRs < 5 x BlankEquivConc	TRG	12/7/06	12:35	12/11/06	17:42	field blank contamination (0.0026 B mg/L)	338566
2WSW1-001 MSD	20612072304	MSD	SW6010B	total	W	Hardness	none (waived due to high parent conc)	TRG	12/7/06	12:35	12/11/06	17:35	extremely low ave MS/MSD recovery (-1050%)	338566
2WSW1-001 MSD	20612072304	MSD	SW6010B	total	W	Lithium	none (waived due to high parent conc)	TRG	12/7/06	12:35	12/11/06	17:35	high ave MS/MSD recovery (137.5%)	338566
2WSW1-001 MSD	20612072304	MSD	SW6010B	dissolved	W	Lithium	none (waived due to high parent conc)	TRG	12/7/06	12:35	12/11/06	16:18	high ave MS/MSD recovery (148.5%)	338566
2WSW1-001 MSD	20612072304	MSD	SW6010B	total	W	Strontium	none (waived due to high parent conc)	TRG	12/7/06	12:35	12/11/06	17:35	extremely low ave MS/MSD recovery (15.5%)	338566
2WSW3-003	20612072306	SMP	SW6010B	total	W	Barium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:31	Total < Dissolved	338700
2WSW3-003D	20612072307	FLDDUP	SW6010B	total	W	Barium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:44	Total < Dissolved	338700
2WSW6-006	20612072301	SMP	SW6010B	total	W	Boron	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/11/06	18:16	Total < Dissolved	338566
2WSW3-003	20612072306	SMP	SW6010B	total	W	Boron	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:31	Total < Dissolved	338700
2WSW3-003D	20612072307	FLDDUP	SW6010B	total	W	Boron	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:44	Total < Dissolved	338700
2WSW2-002	20612072305	SMP	SW6010B	total	W	Copper	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:17	Total < Dissolved	338700
2WSW3-003	20612072306	SMP	SW6010B	total	W	Lithium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:31	Total < Dissolved	338700

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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
2WSW3-003D	20612072307	FLDDUP	SW6010B	total	W	Lithium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:44	Total < Dissolved	338700
2WSW3-003	20612072306	SMP	SW6010B	total	W	Manganese	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/14/06	15:06	Total < Dissolved	338802
2WSW2-002	20612072305	SMP	SW7470A	total	W	Mercury	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/9/06	14:20	Total < Dissolved	338499
2WSW1-001	20612072302	SMP	SW6010B	total	W	Molybdenum	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/11/06	17:22	Total < Dissolved	338566
2WSW6-006	20612072301	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/11/06	18:16	Total < Dissolved	338566
2WSW3-003	20612072306	SMP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:31	Total < Dissolved	338700
2WSW3-003D	20612072307	FLDDUP	SW6010B	total	W	Strontium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:44	Total < Dissolved	338700
2WSW6-006	20612072301	SMP	SW6010B	total	W	Thallium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/11/06	18:16	Total < Dissolved	338566
2WSW1-001	20612072302	SMP	SW6010B	total	W	Thallium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/11/06	17:22	Total < Dissolved	338566
2WSW2-002	20612072305	SMP	SW6010B	total	W	Thallium	J / UJ to RRs/NDs in Total and Diss fraction	TRG	12/7/06	12:35	12/13/06	17:17	Total < Dissolved	338700
x	2061211sv18a035	CCV1	SW8081A			4,4'-DDT	J- to RRs (single col) - none	Pest			12/12/06	5:17	calibration drift column 1 (%D= -21)	
x	2061211sv18a045	CCV1	SW8081A			4,4'-DDD	J+ to RRs (none)	Pest			12/12/06	8:24	calibration drift column 1 (%D= 16)	
x	2061211sv18a045	CCV1	SW8081A			4,4'-DDT	J- to RRs (single col) - none	Pest			12/12/06	8:24	calibration drift column 1 (%D= -23)	
2WSW1-001 MSD	20612072304	MSD	SW8081A			All Pesticides	J- / UJ to RRs/NDs		12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery for all spiked pesticides (40.5-59.5%)	
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	4,4'-DDD	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (59.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	4,4'-DDE	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (51.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	4,4'-DDT	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (42.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Aldrin	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (45.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	alpha-BHC	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (47%)	338753

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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
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	alpha-Chlordane	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (52.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	beta-BHC	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (48.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	delta-BHC	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (51%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Dieldrin	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (53.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Endosulfan I	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (40.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Endosulfan II	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (54%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Endosulfan sulfate	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (59.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Endrin	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (46.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Endrin aldehyde	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (51%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Endrin ketone	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (58.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	gamma-BHC (Lindane)	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (47.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	gamma-Chlordane	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (49%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Heptachlor	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (46%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Heptachlor epoxide	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (51.5%)	338753
2WSW1-001 MSD	20612072304	MSD	SW8081A		W	Methoxychlor	see above	TRG	12/8/06	15:30	12/12/06	4:40	low ave MS/MSD recovery (53%)	338753
2WSW6-006	20612072301	SMP	SW8081A		W	Decachlorobiphenyl	J- / UJ to RRs/NDs	SUR	12/8/06	15:30	12/12/06	3:43	low SU1 recovery (50%)	338753
2WSW6-006	20612072301	SMP	SW8081A		W	Tetrachloro-m-xylene	J- / UJ to RRs/NDs	SUR	12/8/06	15:30	12/12/06	3:43	low SU2 recovery (48%)	338753
2WSW1-001	20612072302	SMP	SW8081A		W	Decachlorobiphenyl	J- / UJ to RRs/NDs	SUR	12/8/06	15:30	12/12/06	4:02	low SU1 recovery (42%)	338753
2WSW1-001	20612072302	SMP	SW8081A		W	Tetrachloro-m-xylene	J- / UJ to RRs/NDs	SUR	12/8/06	15:30	12/12/06	4:02	low SU2 recovery (35%)	338753

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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
2WSW1-001 MSD	20612072304	MSD	SW8082			All Aroclors	J- / UJ to RRs/NDs		12/8/06	15:30	12/12/06	6:32	low ave MS/MSD recovery for all spiked Aroclors (40-42%)	
2WSW1-001 MSD	20612072304	MSD	SW8082		W	Aroclor-1016	see above	TRG	12/8/06	15:30	12/12/06	6:32	low ave MS/MSD recovery (40%)	338754
2WSW1-001 MSD	20612072304	MSD	SW8082		W	Aroclor-1260	see above	TRG	12/8/06	15:30	12/12/06	6:32	low ave MS/MSD recovery (42%)	338754
2WSW6-006	20612072301	SMP	SW8082		W	Decachlorobiphenyl	J- / UJ to RRs/NDs	SUR	12/8/06	15:30	12/12/06	3:43	low SU recovery (50%)	338754
2WSW1-001	20612072302	SMP	SW8082		W	Decachlorobiphenyl	J- / UJ to RRs/NDs	SUR	12/8/06	15:30	12/12/06	4:02	low SU recovery (42%)	338754
MB for HBN 338746 [MSV/9626]	438199	LB	SW8260B		W	Naphthalene	U to RRs < 5 x BlankEquivConc	TRG			12/13/06	13:31	laboratory blank contamination (0.000965 J mg/L)	338746
2WSW7-FB	20612072308	FLDBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			12/13/06	16:34	field blank contamination (0.017 J mg/L)	338746
2WSW7-FB	20612072308	FLDBK	SW8260B		W	Naphthalene	U to RRs < 5 x BlankEquivConc	TRG			12/13/06	16:34	field blank contamination (0.00104 JB mg/L)	338746
x	c0956	ICAL1	SW8260B			1,2-Dibromo-3-chloropropane	J / UJ to RRs/NDs	VOC			12/10/06	17:20	low instrument response (low RRF), elevate SDL for NDs 6x (SW)	
x	c0956	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			12/10/06	17:20	low instrument response (low RRF), elevate SDL for NDs 13x (SW)	
x	c0956	ICAL1	SW8260B			Chloroform	J / UJ to RRs/NDs	VOC			12/10/06	17:20	poor calibration fit (%RSD=18)	
x	v8450	ICAL1	SW8260B			2-Chloroethyl vinyl ether	J to RRs < adjusted SQL (none)	VOC			12/6/06	13:39	lowest ICAL standard at 10 ug/L, adjust SQL 2x (SW)	
x	v8450	ICAL1	SW8260B			2-Chloroethyl vinyl ether	J / UJ to RRs/NDs	VOC			12/6/06	13:39	low instrument response (low RRF), elevate SDL for NDs 37x (SW)	
x	c1037	CCV1	SW8260B			1,2,4-Trichlorobenzene	J+ to RRs (none)	VOC			12/13/06	11:01	calibration drift (%D= 25)	
x	c1037	CCV1	SW8260B			Acetone	J+ to RRs	VOC			12/13/06	11:01	calibration drift (%D= 79)	
x	c1037	CCV1	SW8260B			Bromomethane	J- / UJ to RRs/NDs	VOC			12/13/06	11:01	calibration drift (%D= -21)	
x	c1037	CCV1	SW8260B			Hexachlorobutadiene	J+ to RRs (none)	VOC			12/13/06	11:01	calibration drift (%D= 25)	
2WSW1-001 MSD	20612072304	MSD	SW8260B		W	2-Chloroethylvinyl ether	J- / R to RRs/NDs	TRG			12/14/06	15:53	extremely low ave MS/MSD recovery (0%)	338821
2WSW1-001 MSD	20612072304	MSD	SW8260B		W	2-Hexanone	J+ to RRs (none)	TRG			12/13/06	15:46	high ave MS/MSD recovery (142.5%)	338746

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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
2WSW1-001 MSD	20612072304	MSD	SW8260B		W	4-Methyl-2-pentanone	J+ to RRs (none)	TRG			12/13/06	15:46	high ave MS/MSD recovery (141.5%)	338746
LCS for HBN 338746 [MSV/9626]	438200	LCS	SW8260B		W	Acetone	J+ to RRs	TRG			12/13/06	12:45	high LCS recovery (141%)	338746
2WSW1-001 MSD	20612072304	MSD	SW8260B		W	Acetone	J+ to RRs	TRG			12/13/06	15:46	high ave MS/MSD recovery (169.5%)	338746
MB for HBN 338486 [EXTO/15789]	437138	LB	SW8270C		W	Diethyl phthalate	U to RRs < 10 x BlankEquivConc	TRG	12/9/06	11:00	12/11/06	9:37	laboratory blank contamination (0.00207 J mg/L)	338578
x	c5088	ICAL1	SW8270C			2,4,6-Trichlorophenol	J / UJ to RRs/NDs	SVOC			12/9/06	8:28	poor calibration fit (%RSD=19)	
x	c5088	ICAL1	SW8270C			2,4-Dichlorophenol	J / UJ to RRs/NDs	SVOC			12/9/06	8:28	poor calibration fit (%RSD=24)	
x	c5088	ICAL1	SW8270C			Benzidine	R to RRs/NDs	SVOC			12/9/06	8:28	improper calibration (single-point)	
x	c5176	CCV1	SW8270C			Benzidine	J- / UJ to RRs/NDs	SVOC			12/11/06	6:55	calibration drift (%D= -74)	
x	c5088	ICAL1	SW8270C			Benzo(a)pyrene	J / UJ to RRs/NDs	SVOC			12/9/06	8:28	poor calibration fit (%RSD=16)	
x	c5088	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			12/9/06	8:28	poor calibration fit (%RSD=22)	
x	d4455	ICAL1	SW8270C			Benzidine	J to RRs < adjusted SQL (none)	SVOC			12/11/06	7:00	lowest ICAL standard at 50 ug/L (1.65 mg/kg), adjust SQL 1.25x (SW, Sed)	
x	d4455	ICAL1	SW8270C			Benzoic acid	J / UJ to RRs/NDs	SVOC			12/11/06	7:00	low instrument response (low RRF), elevate SDL for NDs 3x (Sed), 10x (SW)	
x	d4455	ICAL1	SW8270C			n-Nitrosodimethylamine	J / UJ to RRs/NDs	SVOC			12/11/06	7:00	poor calibration fit (%RSD=25)	
x	d4455	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			12/11/06	7:00	poor calibration fit (%RSD=24)	
x	d4530	CCV1	SW8270C			Benzaldehyde	J+ to RRs (none)	SVOC			12/13/06	10:09	calibration drift (%D= 71)	
x	d4530	CCV1	SW8270C			Benzoic acid	J- / UJ to RRs/NDs	SVOC			12/13/06	10:09	calibration drift (%D= -22)	
x	d4530	CCV1	SW8270C			N-Nitrosodimethylamine	J- / UJ to RRs/NDs	SVOC			12/13/06	10:09	calibration drift (%D= -24)	
x	d4530	CCV1	SW8270C			Pyridine	J- / UJ to RRs/NDs	SVOC			12/13/06	10:09	calibration drift (%D= -38)	
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (43%)	338578

034022

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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
LCSD for HBN 338486 [EXTO/1578	437140	LCSD	SW8270C		W	4-Nitrophenol	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:06	low ave LCS/LCSD recovery (25.5%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	4-Nitrophenol	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (31.5%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	4-Nitrophenol	J to RRs (none)	TRG	12/9/06	11:00	12/11/06	10:50	poor MS/MSD precision (41 RPD)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Aniline	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (25%)	338578
LCSD for HBN 338486 [EXTO/1578	437140	LCSD	SW8270C		W	Benzidine	J- / R to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:06	extremely low ave LCS/LCSD recovery (0%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Benzidine	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (5%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Benzidine	J to RRs (none)	TRG	12/9/06	11:00	12/11/06	10:50	poor MS/MSD precision (200 RPD)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Benzo(b)fluoranthene	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (59.5%)	338578
LCSD for HBN 338486 [EXTO/1578	437140	LCSD	SW8270C		W	Benzoic acid	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:06	low ave LCS/LCSD recovery (24%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Benzoic acid	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (51%)	338578
LCSD for HBN 338486 [EXTO/1578	437140	LCSD	SW8270C		W	Caprolactam	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:06	low ave LCS/LCSD recovery (19%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Caprolactam	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (20.5%)	338578
LCSD for HBN 338486 [EXTO/1578	437140	LCSD	SW8270C		W	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:06	low ave LCS/LCSD recovery (47%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Hexachlorocyclopentadiene	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (45%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Hexachloroethane	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (55.5%)	338578
LCSD for HBN 338486 [EXTO/1578	437140	LCSD	SW8270C		W	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:06	low ave LCS/LCSD recovery (42.5%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (35%)	338578
LCSD for HBN 338486 [EXTO/1578	437140	LCSD	SW8270C		W	Phenol	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:06	low ave LCS/LCSD recovery (29.5%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Phenol	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (32.5%)	338578

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
LCSD for HBN 338486 [EXTO/1578	437140	LCSD	SW8270C		W	Pyridine	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:06	low ave LCS/LCSD recovery (19%)	338578
2WSW1-001 MSD	20612072304	MSD	SW8270C		W	Pyridine	J- / UJ to RRs/NDs	TRG	12/9/06	11:00	12/11/06	10:50	low ave MS/MSD recovery (16%)	338578
2WSW6-006	20612072301	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/11/06	14:52	low acid SU recovery (37%)	338577
2WSW6-006	20612072301	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/11/06	14:52	low acid SU recovery (27%)	338577
2WSW1-001	20612072302	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/11/06	10:21	low acid SU recovery (37%)	338578
2WSW1-001	20612072302	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/11/06	10:21	low acid SU recovery (29%)	338578
2WSW2-002	20612072305	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/13/06	10:57	low acid SU recovery (49%)	338715
2WSW2-002	20612072305	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/13/06	10:57	low acid SU recovery (39%)	338715
2WSW3-003	20612072306	SMP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/11/06	15:21	low acid SU recovery (32%)	338577
2WSW3-003	20612072306	SMP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/11/06	15:21	low acid SU recovery (25%)	338577
2WSW3-003D	20612072307	FLDDUP	SW8270C		W	2-Fluorophenol	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/11/06	15:36	low acid SU recovery (31%)	338577
2WSW3-003D	20612072307	FLDDUP	SW8270C		W	Phenol-d5	J- / UJ to RRs/NDs for acidic (phenolic) analytes	SUR	12/9/06	11:00	12/11/06	15:36	low acid SU recovery (22%)	338577

034024

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.: 206120728			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 2/14/07			
ITEM	**Yes**	**No**	**NA**	**Comment Number**
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			
4. Field QC sample frequency met project requirements?	x			4.
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 DCS?	x			
13. Calibration data acceptable?		x		see attached
14. ICV and CCV recoveries within project control limits?		x		see attached
15. ICB and CCB results <RL (MQL)?	x			
16. Internal standard areas within project control limits?	x			
Laboratory EDD				
17. Field sample IDs included?	x			
18. Laboratory sample IDs included?	x			
19. Date of analysis included?	x			
20. Date of sample preparation included?	x			
21. Samples prepared within holding time?		x		21.
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 attached
31. Equipment and Trip blank results <RL (MDL)?			x	
32. All COIs included in LCS?	x			32.
33. LCS recovery within project control limits?		x		see attached
34. MS/MSD recoveries within project control limits?		x		see attached
35. LCS/LCSD RPDs within project control limits?		x		see attached
36. MS/MSD RPDs within project control limits?		x		see attached
37. Laboratory duplicate RPDs/Diffs within project control limits?	x			
38. Field duplicate RPDs/Diffs within project control limits?		x		see attached
39. Surrogate recoveries within project control limits?		x		39.
40. Completeness percentage within project limits?	x			

034025

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 attached for deficiencies noted

4. An equipment blank (FWP-SE-006-EB) was collected with the samples (and used to assess field contamination for these sediments) but results are reported in a separate work order (206120723), which contains surface water samples collected on the same day.

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

Selected pages of the package were resubmitted to correct the peak identification of Benzo(a)anthracene in three SVOC samples. (The validator noted that Benzo(a)anthracene was detected in the field dup but not the original sample. The validator examined the raw data and determined that (1) Benzo(a)anthracene and Chrysene were assigned to the same peak, (2) Benzo(a)anthracene was likely mis-identified based on elution order compared to d12-Chrysene, and (3) two other samples in the work order were similarly affected. These two analytes elute very closely and have the same primary ion. The laboratory was contacted and determined that only Chrysene is present. To avoid delaying the project, a corrected EDD was not requested. The correct values were added to the Result entry in {} and the cells shaded red. The revised hardcopy quant reports and results forms are attached. The validator also examined the raw data for all other samples from the site with Benzo(a)anthracene detects and found no other instances where the analyte was assigned to the same peak as Chrysene.)

VOC – no lab MS/MSD for batch 338541 (site MS/MSD used to assess data quality)

PEST – no lab MS/MSD for batch 340219 (site MS/MSD used to assess data quality); SUs out for samples 14 (high DCBP) and 15 (low for both), both samples reextracted and reanalyzed with similar outcome

AROCLOR – no lab MS/MSD for batch 340220 (site MS/MSD used to assess data quality); SUs out for samples 14 (high) and 15 (low), no detects in sample 14 so no effect, sample 15 reextracted and reanalyzed with similar outcome

11. SVOC sample 16 diluted due to compounds above linear range (target and non-target, 6 other samples also required dilution)

21. Nine Pest samples were re-extracted and re-prepped using Florisil cleanup after the holding time. Analysis of the original extracts (without cleanup) showed significant matrix interference. The laboratory contacted the QAM and Florisil cleanup was then performed on the original extracts. However, spike and surrogate recoveries were excessively low, giving unusable data. Since the hold time was not yet grossly exceeded, the QAM directed the laboratory to re-extract and re-prep the samples. Acceptable spike and surrogate recoveries were obtained (LCS/LCSD recoveries pass for all but 2 analytes and are >10% for those; surrogate recoveries are slightly low (54-59%) for some samples but >10%). All data is qualified as estimated (but usable) due to the hold time exceedance.

034026

COMMENTS – continued

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

	Target MDL (mg/kg)	Actual MDL (mg/kg)
Iron	1.3	1.36
Benzidine	0.067	0.314
Dibenz(a,h)anthracene	0.022	0.031

Note that the MDLs have been rountinely updated by the laboratory (based on new MDL studies and/or MDL check standards) since the first round of sediment sampling. (All Target MDLs were met during the first round.) All MQLs remain unchanged and meet the Target MQLs.

25. Six SVOCs diluted 10x, one SVOC diluted 5x.

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.

39. The recovery for the DCBP surrogate for the Pest analysis is reported as 0% for samples 14 and 15. The recovery for the DCBP surrogate for the Aroclor analysis (from the same injection) is reported as 2160% and 0% for samples 14 and 15, respectively. For sample 14, the raw data shows that DCBP was identified on both columns but the peak area is affected by matrix interference. For sample 15, DCBP was not identifiable on either column due to matrix interference that saturated the column. (Note that Florisil cleanup was used for both samples.) For both samples, significant interference (that may affect analyte identification) begins at about 11.5 min, which is after the last target analyte peak elutes (Endrin Ketone at 11.33 min for Pests, which is postively identified in sample 15, and Aroclor 1260-Peak 4 at 10.16 min). Additionally, for both samples, the recovery for the TCMX surrogate (which elutes at 4.9 min and is only reported for the Pest analysis) is within control limits. As is standard practice, since the TCMX recovery is acceptable (i.e., the extraction was performed properly) and since the raw data indicates that analyte identification is not affected, the validator did not apply qualifiers based on the DCBP recoveries. (Note that the analyst selected the lower value from the 2 columns for some Pesticides in sample 15 due to interference.)

034027

SET SUMMARY
Laboratory Job No.: 206120728

18	Number of Field Samples including Field Duplicates (1)
1	Number of Field MS/MSD Pairs
1	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
0	Number of VOC Trip Blanks
7	Number of Parameters (VOC, SVOC, Pesticides, Aroclors, Metals, Chromium VI, TOC)
200	Number of Target Analytes per Sample
3600	Total Measurements for Field Samples
2846	Number of measurements with no validation qualifier (i.e., "none" in EDD)
260	Number of measurements with UJ flag (for various analytes due to low laboratory, matrix, and/or surrogate spike recovery; poor field duplicate precision between low-level results; poor calibration fit and/or negative drift)
54	Number of measurements with UJ flag and an elevated SDL (for Acrolein, Benzoic acid, and Chloroethane due to poor instrument response, i.e., low RRF)
234	Number of measurements with UJ flag (for Pesticide and Aroclor results due to exceedance of preparation hold time)
6	Number of measurements with J- flag (for Boron due to low matrix spike recovery)
83	Number of measurements with J flag (due solely to result being between the SDL and SQL)
23	Number of measurements with J flag (due to result being between the SDL and SQL plus low matrix spike recovery for eighteen Antimony results and five 4,4'-DDT results)
18	Number of measurements with J flag (for Pesticide and Aroclor results due to exceedance of preparation hold time)
16	Number of measurements with J flag (due to poor field or matrix duplicate precision for thirteen TOC results, two Carbon disulfide results, and one Heptachlor result)
0	Number of measurements with J+ flag
60	Number of measurements with U flag (due to blank contamination; analytes affected include 2-Butanone, Acetone, Arsenic, Boron, Chromium VI, and Methylene chloride)
0	Number of measurements with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of sediment samples, including all first and second round ICWW and on-site sediments, with usable data, project goal 90%)
90%	Completeness-to-date on an analyte level (percentage of sediment samples, including all first and second round ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – 2-Chloroethylvinyl ether
91%	Completeness-to-date on an analyte level (percentage of sediment samples, including all first and second round ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – Antimony
88%	Completeness-to-date on an analyte level (percentage of sediment samples, including all first and second round ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – Benzidine
100%	Completeness-to-date on an analyte level (percentage of sediment samples, including all first and second round ICWW and on-site sediments, with usable data for a specific analyte, project goal 80%) – all remaining target analytes

Usability: All data suitable as qualified for the intended use. Data for Acrolein, Benzoic acid, and Chloroethane 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.

034028

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED1-001 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED1-001 (0-0.5)	Arsenic	J	result is between SDL and SQL
2WSED1-001 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED1-001 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED1-001 (0-0.5)	Mercury	J	result is between SDL and SQL
2WSED1-001 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (18%)
2WSED1-001 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)
2WSED1-001 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED1-001 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED1-001 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED1-001 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED1-001 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00128 J mg/kg); result is between SDL and SQL
2WSED1-001 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED1-001 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED1-001 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED1-001 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED1-001 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED1-001 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED1-001 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED1-001 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED1-001 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED1-001 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED1-001 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED1-001 (0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair (> 3 x MQL)
2WSED10-010 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED10-010 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED10-010 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED10-010 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED10-010 (0-0.5)	Mercury	J	result is between SDL and SQL
2WSED10-010 (0-0.5)	4,4'-DDT	J	low ave MS/MSD recovery (18%); result is between SDL and SQL
2WSED10-010 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)
2WSED10-010 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED10-010 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED10-010 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED10-010 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED10-010 (0-0.5)	1,2Diphenylhydrazine/Azobenzen	UJ	low base/neutral SU recovery (45%, 45%, 47%)

034029

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED10-010 (0-0.5)	2,4,5-Trichlorophenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	2,4,6-Trichlorophenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	2,4-Dichlorophenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	2,4-Dimethylphenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%); low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	2,4-Dinitrotoluene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	2,6-Dinitrotoluene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	2-Chloronaphthalene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	2-Chlorophenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	2-Methylnaphthalene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	2-Nitroaniline	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	2-Nitrophenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%); low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%); low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	4,6-Dinitro-2-methylphenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	4-Bromophenyl phenyl ether	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	4-Chloro-3-methylphenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%); low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	4-Chlorophenyl phenyl ether	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	4-Nitroaniline	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%); low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	Acenaphthene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Acenaphthylene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Acetophenone	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Aniline	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Anthracene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Atrazine (Aatrex)	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzaldehyde	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzidine	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzo(a)anthracene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzo(a)pyrene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzo(b)fluoranthene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzo(g,h,i)perylene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzo(k)fluoranthene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%); low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Benzyl alcohol	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Biphenyl	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Bis(2-Chloroethoxy)methane	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Bis(2-Chloroethyl)ether	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Bis(2-Chloroisopropyl)ether	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Bis(2-Ethylhexyl)phthalate	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Butyl benzyl phthalate	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%); low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Carbazole	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Chrysene	UJ	low base/neutral SU recovery (45%, 45%, 47%)

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED10-010 (0-0.5)	Dibenz(a,h)anthracene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Dibenzofuran	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Diethyl phthalate	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Dimethyl phthalate	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Di-n-butyl phthalate	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Di-n-octyl phthalate	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Fluoranthene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Fluorene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Hexachlorobenzene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Hexachlorocyclopentadiene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%); low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Indeno(1,2,3-cd)pyrene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Isophorone	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	m,p-Cresol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	Nitrobenzene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%); low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	n-Nitrosodi-n-propylamine	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	n-Nitrosodiphenylamine	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	o-Cresol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%); low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	Phenanthrene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Phenol	UJ	low acid SU recovery (35%, 42%, 40%)
2WSED10-010 (0-0.5)	Pyrene	UJ	low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%); low base/neutral SU recovery (45%, 45%, 47%)
2WSED10-010 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED11-011 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED11-011 (0-0.5)	Arsenic	J	result is between SDL and SQL
2WSED11-011 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED11-011 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED11-011 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED11-011 (0-0.5)	Mercury	J	result is between SDL and SQL
2WSED11-011 (0-0.5)	4,4'-DDT	J	low ave MS/MSD recovery (18%); result is between SDL and SQL
2WSED11-011 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)
2WSED11-011 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED11-011 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED11-011 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED11-011 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED11-011 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED11-011 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED11-011 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED11-011 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED11-011 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED11-011 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED11-011 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED11-011 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED11-011 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED11-011 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED11-011 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED11-011 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED12-012 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED12-012 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED12-012 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED12-012 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED12-012 (0-0.5)	4,4'-DDT	J	low ave MS/MSD recovery (18%); result is between SDL and SQL
2WSED12-012 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)
2WSED12-012 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED12-012 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED12-012 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED12-012 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED12-012 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED12-012 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED12-012 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED12-012 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED12-012 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED12-012 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED12-012 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED12-012 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED12-012 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED12-012 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED12-012 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED12-012 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED13-013 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED13-013 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED13-013 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED13-013 (0-0.5)	Chromium VI	U	equipment blank contamination (0.004 B mg/L); result is between SDL and SQL
2WSED13-013 (0-0.5)	Mercury	J	result is between SDL and SQL
2WSED13-013 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (18%)
2WSED13-013 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED13-013 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED13-013 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED13-013 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED13-013 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED13-013 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00128 J mg/kg); result is between SDL and SQL
2WSED13-013 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED13-013 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED13-013 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED13-013 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED13-013 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED13-013 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED13-013 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED13-013 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED13-013 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED13-013 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED13-013 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED13-013 (0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair (> 3 x MQL)
2WSED14-014 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED14-014 (0-0.5)	Arsenic	J	result is between SDL and SQL
2WSED14-014 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED14-014 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED14-014 (0-0.5)	Chromium VI	U	equipment blank contamination (0.004 B mg/L)
2WSED14-014 (0-0.5)	Mercury	J	result is between SDL and SQL
2WSED14-014 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (18%)
2WSED14-014 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)
2WSED14-014 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED14-014 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED14-014 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED14-014 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED14-014 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED14-014 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED14-014 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED14-014 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED14-014 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED14-014 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED14-014 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED14-014 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED14-014 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED14-014 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED14-014 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED14-014 (0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair (> 3 x MQL)
2WSED15-015 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED15-015 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED15-015 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED15-015 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED15-015 (0-0.5)	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	4,4'-DDE	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED15-015 (0-0.5)	Aldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Dieldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED15-015 (0-0.5)	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)
2WSED15-015 (0-0.5)	Endosulfan sulfate	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Endrin aldehyde	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED15-015 (0-0.5)	Endrin ketone	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	gamma-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Methoxychlor	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (25.5%)
2WSED15-015 (0-0.5)	Toxaphene	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Aroclor-1016	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED15-015 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg)
2WSED15-015 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED15-015 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED15-015 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED15-015 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED15-015 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED15-015 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED15-015 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED15-015 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED15-015 (0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL
2WSED15-015 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); calibration drift (%D= -22); low ave MS/MSD recovery (26.5%)
2WSED15-015 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED15-015 (0-0.5)	Chrysene	J	result is between SDL and SQL
2WSED15-015 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED15-015 (0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
2WSED15-015 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); calibration drift (%D= -24); low ave MS/MSD recovery (56.5%)
2WSED15-015 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED15-015 (0-0.5)	Pyrene	J	result is between SDL and SQL
2WSED15-015 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); calibration drift (%D= -38); low ave MS/MSD recovery (52.5%)
2WSED15-015 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED16-016 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED16-016 (0-0.5)	Arsenic	U	equipment blank contamination (0.0038 B mg/L); result is between SDL and SQL
2WSED16-016 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED16-016 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	Mercury	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	4,4'-DDE	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED16-016 (0-0.5)	Aldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Dieldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED16-016 (0-0.5)	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)
2WSED16-016 (0-0.5)	Endosulfan sulfate	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Endrin aldehyde	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED16-016 (0-0.5)	Endrin ketone	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	gamma-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Methoxychlor	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (25.5%)
2WSED16-016 (0-0.5)	Toxaphene	UJ	extracted past 14-day hold time (on day 21)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED16-016 (0-0.5)	Aroclor-1016	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED16-016 (0-0.5)	1,1-Dichloroethene	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg)
2WSED16-016 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED16-016 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED16-016 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED16-016 (0-0.5)	cis-1,2-Dichloroethene	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00128 J mg/kg); result is between SDL and SQL
2WSED16-016 (0-0.5)	Tetrachloroethene	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED16-016 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED16-016 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED16-016 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED16-016 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED16-016 (0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED16-016 (0-0.5)	Bis(2-Ethylhexyl)phthalate	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED16-016 (0-0.5)	Chrysene	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	Fluoranthene	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED16-016 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED16-016 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED16-016 (0-0.5)	Phenanthrene	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	Pyrene	J	result is between SDL and SQL
2WSED16-016 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED16-016 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED17-017 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED17-017 (0-0.5)	Arsenic	U	equipment blank contamination (0.0038 B mg/L); result is between SDL and SQL
2WSED17-017 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED17-017 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	Mercury	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	4,4'-DDE	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED17-017 (0-0.5)	Aldrin	UJ	extracted past 14-day hold time (on day 21)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED17-017 (0-0.5)	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Dieldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED17-017 (0-0.5)	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)
2WSED17-017 (0-0.5)	Endosulfan sulfate	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Endrin aldehyde	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED17-017 (0-0.5)	Endrin ketone	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	gamma-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Methoxychlor	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (25.5%)
2WSED17-017 (0-0.5)	Toxaphene	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Aroclor-1016	J	extracted past 14-day hold time (on day 21); calibration drift column 2 (%D= -16); calibration drift column 2 (%D= -17); result is between SDL and SQL
2WSED17-017 (0-0.5)	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED17-017 (0-0.5)	2-Butanone	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	Acetone	U	laboratory blank contamination (0.0075 J mg/kg); equipment blank contamination (0.013 J mg/L); calibration drift (%D= 37); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED17-017 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED17-017 (0-0.5)	Bromomethane	UJ	calibration drift (%D= -48); low ave LCS/LCSD recovery (54.5%)
2WSED17-017 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED17-017 (0-0.5)	Dichlorodifluoromethane	UJ	calibration drift (%D= -22)
2WSED17-017 (0-0.5)	Methyl iodide	UJ	calibration drift (%D= -69); low ave LCS/LCSD recovery (39%)
2WSED17-017 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED17-017 (0-0.5)	2-Methylnaphthalene	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED17-017 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED17-017 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED17-017 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED17-017 (0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	Benzo(k)fluoranthene	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED17-017 (0-0.5)	Bis(2-Ethylhexyl)phthalate	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED17-017 (0-0.5)	Carbazole	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	Dibenzofuran	J	result is between SDL and SQL
2WSED17-017 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED17-017 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED17-017 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED17-017 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED17-017 (0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair (> 3 x MQL)
2WSED2-002 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED2-002 (0-0.5)	Boron	J-	low ave MS/MSD recovery (69.5%)
2WSED2-002 (0-0.5)	Chromium VI	U	equipment blank contamination (0.004 B mg/L)
2WSED2-002 (0-0.5)	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	4,4'-DDE	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED2-002 (0-0.5)	Aldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Dieldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED2-002 (0-0.5)	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)
2WSED2-002 (0-0.5)	Endosulfan sulfate	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Endrin aldehyde	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED2-002 (0-0.5)	Endrin ketone	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	gamma-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Methoxychlor	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (25.5%)
2WSED2-002 (0-0.5)	Toxaphene	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Aroclor-1016	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED2-002 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED2-002 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED2-002 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED2-002 (0-0.5)	Carbon disulfide	J	poor MS/MSD precision (52 RPD); result is between SDL and SQL
2WSED2-002 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED2-002 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00128 J mg/kg); result is between SDL and SQL
2WSED2-002 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED2-002 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED2-002 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED2-002 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED2-002 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED2-002 (0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL
2WSED2-002 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED2-002 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED2-002 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED2-002 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED2-002 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED2-002 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED2-002 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED3-003 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED3-003 (0-0.5)	Boron	J-	low ave MS/MSD recovery (69.5%)
2WSED3-003 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED3-003 (0-0.5)	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	4,4'-DDE	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED3-003 (0-0.5)	Aldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Dieldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED3-003 (0-0.5)	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)
2WSED3-003 (0-0.5)	Endosulfan sulfate	J	extracted past 14-day hold time (on day 21); calibration drift column 2 (%D= 21); calibration drift column 2 (%D= 18)
2WSED3-003 (0-0.5)	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Endrin aldehyde	J	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED3-003 (0-0.5)	Endrin ketone	J	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	gamma-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Methoxychlor	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (25.5%)
2WSED3-003 (0-0.5)	Toxaphene	UJ	extracted past 14-day hold time (on day 21)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED3-003 (0-0.5)	Aroclor-1016	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED3-003 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED3-003 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED3-003 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED3-003 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED3-003 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED3-003 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED3-003 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED3-003 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED3-003 (0-0.5)	Acenaphthylene	J	result is between SDL and SQL
2WSED3-003 (0-0.5)	Anthracene	J	result is between SDL and SQL
2WSED3-003 (0-0.5)	Benzo(a)pyrene	J	result is between SDL and SQL
2WSED3-003 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED3-003 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED3-003 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED3-003 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED3-003 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED3-003 (0-0.5)	Pyrene	J	result is between SDL and SQL
2WSED3-003 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED3-003 (0-0.5)	Total Organic Carbon	UJ	large difference between field duplicate pair (> 3 x MQL)
2WSED3-003 (0-0.5)D	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED3-003 (0-0.5)D	Boron	J-	low ave MS/MSD recovery (69.5%)
2WSED3-003 (0-0.5)D	Molybdenum	J	result is between SDL and SQL
2WSED3-003 (0-0.5)D	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	4,4'-DDE	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED3-003 (0-0.5)D	Aldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Dieldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED3-003 (0-0.5)D	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)

034040

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED3-003 (0-0.5)D	Endosulfan sulfate	J	extracted past 14-day hold time (on day 21); calibration drift column 2 (%D= 21); calibration drift column 2 (%D= 18)
2WSED3-003 (0-0.5)D	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Endrin aldehyde	J	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED3-003 (0-0.5)D	Endrin ketone	J	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	gamma-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Methoxychlor	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (25.5%)
2WSED3-003 (0-0.5)D	Toxaphene	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Aroclor-1016	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED3-003 (0-0.5)D	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg)
2WSED3-003 (0-0.5)D	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED3-003 (0-0.5)D	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED3-003 (0-0.5)D	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED3-003 (0-0.5)D	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED3-003 (0-0.5)D	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED3-003 (0-0.5)D	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED3-003 (0-0.5)D	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED3-003 (0-0.5)D	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED3-003 (0-0.5)D	Acenaphthylene	J	result is between SDL and SQL
2WSED3-003 (0-0.5)D	Anthracene	J	result is between SDL and SQL
2WSED3-003 (0-0.5)D	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED3-003 (0-0.5)D	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED3-003 (0-0.5)D	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED3-003 (0-0.5)D	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED3-003 (0-0.5)D	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED3-003 (0-0.5)D	Pyrene	J	result is between SDL and SQL
2WSED3-003 (0-0.5)D	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED3-003 (0-0.5)D	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED4-004 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED4-004 (0-0.5)	Boron	J-	low ave MS/MSD recovery (69.5%)
2WSED4-004 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED4-004 (0-0.5)	Chromium VI	U	equipment blank contamination (0.004 B mg/L); result is between SDL and SQL
2WSED4-004 (0-0.5)	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)

034041

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED4-004 (0-0.5)	4,4'-DDE	J	extracted past 14-day hold time (on day 21); result is between SDL and SQL
2WSED4-004 (0-0.5)	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED4-004 (0-0.5)	Aldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Dieldrin	J	extracted past 14-day hold time (on day 21); poor MS/MSD precision (44 RPD); result is between SDL and SQL
2WSED4-004 (0-0.5)	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED4-004 (0-0.5)	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)
2WSED4-004 (0-0.5)	Endosulfan sulfate	J	extracted past 14-day hold time (on day 21); calibration drift column 2 (%D= 21); calibration drift column 2 (%D= 18)
2WSED4-004 (0-0.5)	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Endrin aldehyde	J	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED4-004 (0-0.5)	Endrin ketone	J	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	gamma-Chlordane	J	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Methoxychlor	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (25.5%)
2WSED4-004 (0-0.5)	Toxaphene	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Aroclor-1016	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED4-004 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg)
2WSED4-004 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED4-004 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED4-004 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED4-004 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED4-004 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED4-004 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED4-004 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED4-004 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED4-004 (0-0.5)	Acenaphthylene	J	result is between SDL and SQL
2WSED4-004 (0-0.5)	Anthracene	J	result is between SDL and SQL
2WSED4-004 (0-0.5)	Benzo(b)fluoranthene	J	result is between SDL and SQL
2WSED4-004 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED4-004 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)

034042

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED4-004 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED4-004 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED4-004 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED4-004 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED4-004 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED5-005 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED5-005 (0-0.5)	Arsenic	U	equipment blank contamination (0.0038 B mg/L); result is between SDL and SQL
2WSED5-005 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED5-005 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED5-005 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED5-005 (0-0.5)	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	4,4'-DDE	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED5-005 (0-0.5)	Aldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Dieldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED5-005 (0-0.5)	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)
2WSED5-005 (0-0.5)	Endosulfan sulfate	J	extracted past 14-day hold time (on day 21); calibration drift column 2 (%D= 21); calibration drift column 2 (%D= 18)
2WSED5-005 (0-0.5)	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Endrin aldehyde	J	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED5-005 (0-0.5)	Endrin ketone	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	gamma-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Methoxychlor	J	extracted past 14-day hold time (on day 21); calibration drift column 1 (%D= 17); low ave MS/MSD recovery (25.5%); result is between SDL and SQL
2WSED5-005 (0-0.5)	Toxaphene	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Aroclor-1016	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED5-005 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg)
2WSED5-005 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED5-005 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)

034043

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED5-005 (0-0.5)	Carbon disulfide	J	poor MS/MSD precision (52 RPD); result is between SDL and SQL
2WSED5-005 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED5-005 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED5-005 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED5-005 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED5-005 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED5-005 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED5-005 (0-0.5)	Acenaphthylene	J	result is between SDL and SQL
2WSED5-005 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED5-005 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED5-005 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED5-005 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED5-005 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED5-005 (0-0.5)	Phenanthrene	J	result is between SDL and SQL
2WSED5-005 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED5-005 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED6-006 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED6-006 (0-0.5)	Arsenic	J	result is between SDL and SQL
2WSED6-006 (0-0.5)	Boron	J-	low ave MS/MSD recovery (69.5%)
2WSED6-006 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED6-006 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED6-006 (0-0.5)	Chromium VI	U	equipment blank contamination (0.004 B mg/L)
2WSED6-006 (0-0.5)	4,4'-DDD	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	4,4'-DDE	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	4,4'-DDT	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (18%)
2WSED6-006 (0-0.5)	Aldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	alpha-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	alpha-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	beta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	delta-BHC	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Dieldrin	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Endosulfan I	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (30%)
2WSED6-006 (0-0.5)	Endosulfan II	UJ	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (42%)
2WSED6-006 (0-0.5)	Endosulfan sulfate	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Endrin	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Endrin aldehyde	J	extracted past 14-day hold time (on day 21); low ave LCS/LCSD recovery (59%)
2WSED6-006 (0-0.5)	Endrin ketone	J	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	gamma-BHC (Lindane)	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	gamma-Chlordane	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Heptachlor	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Heptachlor epoxide	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Methoxychlor	UJ	extracted past 14-day hold time (on day 21); low ave MS/MSD recovery (25.5%)

034044

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED6-006 (0-0.5)	Toxaphene	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Aroclor-1016	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Aroclor-1221	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Aroclor-1232	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Aroclor-1242	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Aroclor-1248	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Aroclor-1254	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	Aroclor-1260	UJ	extracted past 14-day hold time (on day 21)
2WSED6-006 (0-0.5)	1,2,4-Trimethylbenzene	J	result is between SDL and SQL
2WSED6-006 (0-0.5)	1,3,5-Trimethylbenzene	J	result is between SDL and SQL
2WSED6-006 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg)
2WSED6-006 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD)
2WSED6-006 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED6-006 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED6-006 (0-0.5)	m,p-Xylene	J	result is between SDL and SQL
2WSED6-006 (0-0.5)	o-Xylene	J	result is between SDL and SQL
2WSED6-006 (0-0.5)	Xylene (total)	J	result is between SDL and SQL
2WSED6-006 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED6-006 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED6-006 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED6-006 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED6-006 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED6-006 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED6-006 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED6-006 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED6-006 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED6-006 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED6-006 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED6-006 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED7-007 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED7-007 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)
2WSED7-007 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED7-007 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED7-007 (0-0.5)	4,4'-DDT	J	low ave MS/MSD recovery (18%); result is between SDL and SQL
2WSED7-007 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)
2WSED7-007 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED7-007 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED7-007 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED7-007 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED7-007 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED7-007 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED7-007 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED7-007 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED7-007 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED7-007 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED7-007 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED7-007 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED7-007 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED7-007 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED7-007 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED7-007 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED8-008 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED8-008 (0-0.5)	Arsenic	J	result is between SDL and SQL
2WSED8-008 (0-0.5)	Boron	J-	low ave MS/MSD recovery (69.5%)
2WSED8-008 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED8-008 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED8-008 (0-0.5)	4,4'-DDT	UJ	low ave MS/MSD recovery (18%)
2WSED8-008 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)
2WSED8-008 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED8-008 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED8-008 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED8-008 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED8-008 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED8-008 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED8-008 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED8-008 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED8-008 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED8-008 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED8-008 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED8-008 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED8-008 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED8-008 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED8-008 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED8-008 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)
2WSED9-009 (0-0.5)	Antimony	J	low ave MS/MSD recovery (48%); result is between SDL and SQL
2WSED9-009 (0-0.5)	Arsenic	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	Boron	U	equipment blank contamination (0.08 B mg/L); low ave MS/MSD recovery (69.5%)

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QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED9-009 (0-0.5)	Cadmium	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	Molybdenum	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	4,4'-DDT	J	low ave MS/MSD recovery (18%); result is between SDL and SQL
2WSED9-009 (0-0.5)	Endrin aldehyde	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	Heptachlor	J	poor MS/MSD precision (56 RPD)
2WSED9-009 (0-0.5)	Methoxychlor	UJ	low ave MS/MSD recovery (25.5%)
2WSED9-009 (0-0.5)	2-Butanone	U	laboratory blank contamination (0.00193 J mg/kg); result is between SDL and SQL
2WSED9-009 (0-0.5)	Acetone	U	laboratory blank contamination (0.018 J mg/kg); equipment blank contamination (0.013 J mg/L); poor MS/MSD precision (45 RPD); result is between SDL and SQL
2WSED9-009 (0-0.5)	Acrolein	UJ	low instrument response (low RRF), elevate SDL for NDs 11x (SE); low ave MS/MSD recovery (42.5%)
2WSED9-009 (0-0.5)	Chloroethane	UJ	low instrument response (low RRF), elevate SDL for NDs 17x (SE)
2WSED9-009 (0-0.5)	Methylene chloride	U	laboratory blank contamination (0.00128 J mg/kg); result is between SDL and SQL
2WSED9-009 (0-0.5)	2,4-Dinitrophenol	UJ	low ave MS/MSD recovery (47.5%)
2WSED9-009 (0-0.5)	3,3'-Dichlorobenzidine	UJ	low ave LCS/LCSD recovery (41.5%); low ave MS/MSD recovery (57.5%)
2WSED9-009 (0-0.5)	3-Nitroaniline	UJ	low ave LCS/LCSD recovery (44.5%); low ave MS/MSD recovery (57.5%)
2WSED9-009 (0-0.5)	4-Chloroaniline	UJ	low ave LCS/LCSD recovery (34%); low ave MS/MSD recovery (49.5%)
2WSED9-009 (0-0.5)	4-Nitrophenol	UJ	low ave MS/MSD recovery (59%)
2WSED9-009 (0-0.5)	Anthracene	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	Benzo(g,h,i)perylene	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	Benzoic acid	UJ	low instrument response (low RRF), elevate SDL for NDs 3x (Sed); low ave MS/MSD recovery (26.5%)
2WSED9-009 (0-0.5)	Caprolactam	UJ	low ave MS/MSD recovery (52%)
2WSED9-009 (0-0.5)	Chrysene	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	Fluoranthene	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	Hexachloroethane	UJ	low ave MS/MSD recovery (58.5%)
2WSED9-009 (0-0.5)	Indeno(1,2,3-cd)pyrene	J	result is between SDL and SQL
2WSED9-009 (0-0.5)	n-Nitrosodimethylamine	UJ	poor calibration fit (%RSD=25); low ave MS/MSD recovery (56.5%)
2WSED9-009 (0-0.5)	Pentachlorophenol	UJ	low ave MS/MSD recovery (58%)
2WSED9-009 (0-0.5)	Pyridine	UJ	poor calibration fit (%RSD=24); low ave MS/MSD recovery (52.5%)
2WSED9-009 (0-0.5)	Total Organic Carbon	J	large difference between field duplicate pair (> 3 x MQL)

034047

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
FWP-SE-006-EB	20612072309	EQBK	SW6010B	total	W	Aluminum	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/11/06	17:49	equipment blank contamination (0.021 B mg/L)	338566
FWP-SE-006-EB	20612072309	EQBK	SW6010B	total	W	Arsenic	U to RRs < 5 x BlankEquivConc	TRG	12/7/06	12:35	12/11/06	17:49	equipment blank contamination (0.0038 B mg/L)	338566
FWP-SE-006-EB	20612072309	EQBK	SW6010B	total	W	Barium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/11/06	17:49	equipment blank contamination (0.0004 B mg/L)	338566
FWP-SE-006-EB	20612072309	EQBK	SW6010B	total	W	Boron	U to RRs < 5 x BlankEquivConc	TRG	12/7/06	12:35	12/11/06	17:49	equipment blank contamination (0.08 B mg/L)	338566
FWP-SE-006-EB	20612072309	EQBK	SW6010B	total	W	Hardness	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/11/06	17:49	equipment blank contamination (0.46 B mg/L)	338566
FWP-SE-006-EB	20612072309	EQBK	SW6010B	total	W	Thallium	U to RRs < 5 x BlankEquivConc (none)	TRG	12/7/06	12:35	12/11/06	17:49	equipment blank contamination (0.0016 B mg/L)	338566
FWP-SE-006-EB	20612072309	EQBK	SW7196A		W	Chromium VI	U to RRs < 5 x BlankEquivConc	TRG			12/7/06	11:17	equipment blank contamination (0.004 B mg/L)	338385
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW6010B	total	S	Aluminum	none (waived due to high parent conc)	TRG	12/7/06	14:30	12/8/06	15:07	high ave MS/MSD recovery (321%)	338456
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW6010B	total	S	Antimony	J- / UJ to RRs/NDs	TRG	12/7/06	14:30	12/8/06	15:07	low ave MS/MSD recovery (48%)	338456
2WSED1-001 (0-0.5) MS	20612072804	MS	SW6010B	total	S	Barium	none (waived due to high parent conc)	TRG	12/7/06	14:30	12/8/06	15:01	extremely low MS recovery (19%)	338456
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW6010B	total	S	Barium	none (waived due to high parent conc)	TRG	12/7/06	14:30	12/8/06	15:07	low ave MS/MSD recovery (30%)	338456
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW6010B	total	S	Boron	J- / UJ to RRs/NDs	TRG	12/7/06	14:30	12/8/06	15:07	low ave MS/MSD recovery (69.5%)	338456
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW6010B	total	S	Iron	none (waived due to high parent conc)	TRG	12/7/06	14:30	12/8/06	15:07	extremely low ave MS/MSD recovery (-175%)	338456
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW6010B	total	S	Manganese	none (waived due to high parent conc)	TRG	12/7/06	14:30	12/8/06	15:07	extremely low ave MS/MSD recovery (-150%)	338456
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW6010B	total	S	Titanium	none (waived due to high parent conc)	TRG	12/7/06	14:30	12/8/06	15:07	extremely low ave MS/MSD recovery (10%)	338456
2WSED16-016 (0-0.5)	20612072803	SMP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	11:00	extracted past 14-day hold time (on day 21)	340229
2WSED2-002 (0-0.5)	20612072806	SMP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	11:21	extracted past 14-day hold time (on day 21)	340229
2WSED5-005 (0-0.5)	20612072807	SMP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	11:42	extracted past 14-day hold time (on day 21)	340229
2WSED6-006 (0-0.5)	20612072808	SMP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	12:03	extracted past 14-day hold time (on day 21)	340229

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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
2WSED3-003 (0-0.5)	20612072813	SMP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	12:24	extracted past 14-day hold time (on day 21)	340229
2WSED3-003 (0-0.5)D	20612072814	FLDDUP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	12:45	extracted past 14-day hold time (on day 21)	340229
2WSED4-004 (0-0.5)	20612072815	SMP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	13:06	extracted past 14-day hold time (on day 21)	340229
2WSED15-015 (0-0.5)	20612072816	SMP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	13:27	extracted past 14-day hold time (on day 21)	340229
2WSED17-017 (0-0.5)	20612072820	SMP	SW8081A		S	All Pesticides	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	13:48	extracted past 14-day hold time (on day 21)	340229
x	2070104sv17b038	CCV2	SW8081A			Endosulfan sulfate	J+ to RRs	Pest			1/5/07	9:50	calibration drift column 2 (%D= 21)	
x	2070104sv17a051	**CCV1**	SW8081A			Methoxychlor	J+ to RRs	Pest			1/5/07	16:04	calibration drift column 1 (%D= 17)	
x	2070104sv17b050	**CCV2**	SW8081A			Endosulfan sulfate	J+ to RRs	Pest			1/5/07	16:04	calibration drift column 2 (%D= 18)	
x	2061216sv18a002	**CCV1**	SW8081A			Methoxychlor	J to RRs (none)	Pest			12/16/06	11:15	calibration drift column 1 (%D= 27)	
x	2061216sv18b002	**CCV2**	SW8081A			Methoxychlor	J to RRs (none)	Pest			12/16/06	11:34	calibration drift column 2 (%D= -28)	
x	2061216sv18a020	**CCV1**	SW8081A			Methoxychlor	J to RRs (none)	Pest			12/16/06	19:23	calibration drift column 1 (%D= 30)	
x	2061216sv18b020	**CCV2**	SW8081A			Methoxychlor	J to RRs (none)	Pest			12/16/06	19:42	calibration drift column 2 (%D= -27)	
x	2061216sv18a037	**CCV1**	SW8081A			Methoxychlor	J to RRs (none)	Pest			12/18/06	14:02	calibration drift column 1 (%D= 30)	
x	2061216sv18b036	**CCV2**	SW8081A			Methoxychlor	J to RRs (none)	Pest			12/18/06	14:02	calibration drift column 2 (%D= -22)	
x	2061216sv18a049	CCV1	SW8081A			Endosulfan sulfate	J+ to RRs (none)	Pest			12/19/06	9:20	calibration drift column 1 (%D= 16)	
x	2061216sv18a049	**CCV1**	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			12/19/06	9:20	calibration drift column 1 (%D= 26)	
x	2061216sv18b049	**CCV2**	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			12/19/06	9:38	calibration drift column 2 (%D= 16)	
x	2061216sv18a049	CCV1	SW8081A			Endrin ketone	J+ to RRs (none)	Pest			12/19/06	9:20	calibration drift column 1 (%D= 16)	
x	2061216sv18a055	CCV1	SW8081A			Endosulfan sulfate	J+ to RRs (none)	Pest			12/19/06	12:43	calibration drift column 1 (%D= 17)	

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	2061216sv18a055	CCV1	SW8081A			Methoxychlor	J+ to RRs (none)	Pest			12/19/06	12:43	calibration drift column 1 (%D= 30)	
x	2061216sv18a055	CCV1	SW8081A			Endrin ketone	J+ to RRs (none)	Pest			12/19/06	12:43	calibration drift column 1 (%D= 17)	
LCSD for HBN 340219 [EXTO/1601	444611	LCSD	SW8081A		S	Endosulfan I	J- / UJ to RRs/NDs	TRG	12/27/06	15:00	1/4/07	15:13	low ave LCS/LCSD recovery (30%)	340229
LCSD for HBN 340219 [EXTO/1601	444611	LCSD	SW8081A		S	Endosulfan II	J- / UJ to RRs/NDs	TRG	12/27/06	15:00	1/4/07	15:13	low ave LCS/LCSD recovery (42%)	340229
LCSD for HBN 340219 [EXTO/1601	444611	LCSD	SW8081A		S	Endrin aldehyde	J- / UJ to RRs/NDs	TRG	12/27/06	15:00	1/4/07	15:13	low ave LCS/LCSD recovery (59%)	340229
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	4,4'-DDD	J+ to RRs (none)	TRG	12/8/06	21:00	12/16/06	15:26	high ave MS/MSD recovery (148.5%)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	4,4'-DDD	J to RRs (none)	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (45 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	4,4'-DDT	J- / UJ to RRs/NDs	TRG	12/8/06	21:00	12/16/06	15:26	low ave MS/MSD recovery (18%)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	Aldrin	J to RRs (none)	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (42 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	alpha-BHC	J to RRs (none)	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (50 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	beta-BHC	J to RRs (none)	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (58 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	delta-BHC	J to RRs (none)	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (47 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	Dieldrin	J to RRs	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (44 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	Endrin	J to RRs (none)	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (45 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	gamma-BHC (Lindane)	J to RRs (none)	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (58 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	Heptachlor	J to RRs	TRG	12/8/06	21:00	12/16/06	15:26	poor MS/MSD precision (56 RPD)	339131
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8081A		S	Methoxychlor	J- / UJ to RRs/NDs	TRG	12/8/06	21:00	12/16/06	15:26	low ave MS/MSD recovery (25.5%)	339131
2WSED2-002 (0-0.5)	20612072806	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	12/27/06	15:00	1/5/07	11:21	low SU recovery (57%)	340229
2WSED5-005 (0-0.5)	20612072807	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	12/27/06	15:00	1/5/07	11:42	low SU recovery (59%)	340229

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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
2WSED6-006 (0-0.5)	20612072808	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	12/27/06	15:00	1/5/07	12:03	low SU recovery (58%)	340229
2WSED9-009 (0-0.5)	20612072809	SMP	SW8081A		S	Decachlorobiphenyl	none (only one of multiple surrogates is deficient)	SUR	12/8/06	21:00	12/18/06	10:10	high SU recovery (151%)	339131
2WSED10-010 (0-0.5)	20612072810	SMP	SW8081A		S	Decachlorobiphenyl	none (only one of multiple surrogates is deficient)	SUR	12/8/06	21:00	12/18/06	10:28	high SU recovery (145%)	339131
2WSED3-003 (0-0.5)	20612072813	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	12/27/06	15:00	1/5/07	12:24	low SU recovery (54%)	340229
2WSED3-003 (0-0.5)D	20612072814	FLDDUP	SW8081A		S	Decachlorobiphenyl	none (see checklist comment no. 39)	SUR	12/27/06	15:00	1/5/07	12:45	extremely low SU recovery (0%)	340229
2WSED4-004 (0-0.5)	20612072815	SMP	SW8081A		S	Decachlorobiphenyl	none (see checklist comment no. 39)	SUR	12/27/06	15:00	1/5/07	13:06	extremely low SU recovery (0%)	340229
2WSED15-015 (0-0.5)	20612072816	SMP	SW8081A		S	Tetrachloro-m-xylene	none (only one of multiple surrogates is deficient)	SUR	12/27/06	15:00	1/5/07	13:27	low SU recovery (54%)	340229
2WSED14-014 (0-0.5)	20612072819	SMP	SW8081A		S	Decachlorobiphenyl	none (only one of multiple surrogates is deficient)	SUR	12/8/06	21:00	12/19/06	11:26	high SU recovery (143%)	339131
2WSED16-016 (0-0.5)	20612072803	SMP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	11:00	extracted past 14-day hold time (on day 21)	340230
2WSED2-002 (0-0.5)	20612072806	SMP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	11:21	extracted past 14-day hold time (on day 21)	340230
2WSED5-005 (0-0.5)	20612072807	SMP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	11:42	extracted past 14-day hold time (on day 21)	340230
2WSED6-006 (0-0.5)	20612072808	SMP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	12:03	extracted past 14-day hold time (on day 21)	340230
2WSED3-003 (0-0.5)	20612072813	SMP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	12:24	extracted past 14-day hold time (on day 21)	340230
2WSED3-003 (0-0.5)D	20612072814	FLDDUP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	12:45	extracted past 14-day hold time (on day 21)	340230
2WSED4-004 (0-0.5)	20612072815	SMP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	13:06	extracted past 14-day hold time (on day 21)	340230
2WSED15-015 (0-0.5)	20612072816	SMP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	13:27	extracted past 14-day hold time (on day 21)	340230
2WSED17-017 (0-0.5)	20612072820	SMP	SW8082		S	All Aroclors	J / UJ to RRs/NDs	TRG	12/27/06	15:00	1/5/07	13:48	extracted past 14-day hold time (on day 21)	340230
x	2070104sv17b039	CCV2	SW8082			AR 1016-Peak1	J- to RRs (single col)	Aro			1/5/07	10:11	calibration drift column 2 (%D= -16)	
x	2070104sv17b052	CCV2	SW8082			AR 1016-Peak1	J- to RRs (single col)	Aro			1/5/07	16:47	calibration drift column 2 (%D= -16)	

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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	2070104sv17b052	CCV2	SW8082			AR 1016-Peak4	J- to RRs (single col)	Aro			1/5/07	16:47	calibration drift column 2 (%D= -17)	
x	2070104sv17b052	CCV2	SW8082			AR 1260-Peak2	J- to RRs (single col) - none	Aro			1/5/07	16:47	calibration drift column 2 (%D= -19)	
2WSED9-009 (0-0.5)	20612072809	SMP	SW8082		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	12/8/06	21:00	12/18/06	10:10	high SU recovery (151%)	339132
2WSED10-010 (0-0.5)	20612072810	SMP	SW8082		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	12/8/06	21:00	12/18/06	10:28	high SU recovery (145%)	339132
2WSED3-003 (0-0.5)D	20612072814	FLDDUP	SW8082		S	Decachlorobiphenyl	none (see checklist comment no. 39)	SUR	12/27/06	15:00	1/5/07	12:45	high SU recovery (2160%)	340230
2WSED4-004 (0-0.5)	20612072815	SMP	SW8082		S	Decachlorobiphenyl	none (see checklist comment no. 39)	SUR	12/27/06	15:00	1/5/07	13:06	extremely low SU recovery (0%)	340230
2WSED14-014 (0-0.5)	20612072819	SMP	SW8082		S	Decachlorobiphenyl	J+ to RRs (none)	SUR	12/8/06	21:00	12/19/06	11:26	high SU recovery (143%)	339132
FWP-SE-006-EB	20612072309	EQBK	SW8260B		W	Acetone	U to RRs < 10 x BlankEquivConc	TRG			12/13/06	16:56	equipment blank contamination (0.013 J mg/L)	338746
x	v6802	ICAL1	SW8260B			Chloroethane	J / UJ to RRs/NDs	VOC			12/1/06	8:09	low instrument response (low RRF), elevate SDL for NDs 17x (SE)	
x	v6802	ICAL1	SW8260B			Acrolein	J / UJ to RRs/NDs	VOC			12/1/06	8:09	low instrument response (low RRF), elevate SDL for NDs 11x (SE)	
MB for HBN 338509 [MSV/9605]	437303	LB	SW8260B		S	2-Butanone	U to RRs < 10 x BlankEquivConc	TRG			12/10/06	14:01	laboratory blank contamination (0.00193 J mg/kg)	338509
MB for HBN 338509 [MSV/9605]	437303	LB	SW8260B		S	Acetone	U to RRs < 10 x BlankEquivConc	TRG			12/10/06	14:01	laboratory blank contamination (0.018 J mg/kg)	338509
x	v7083	CCV1	SW8260B			Acrolein	J+ to RRs (none)	VOC			12/10/06	11:58	calibration drift (%D= 81)	
LCSD for HBN 338509 [MSV/9605]	437305	LCSD	SW8260B		S	Acrolein	J+ to RRs (none)	TRG			12/10/06	12:59	high ave LCS/LCSD recovery (166.5%)	338509
MB for HBN 338509 [MSV/9605]	437303	LB	SW8260B		S	Methylene chloride	U to RRs < 10 x BlankEquivConc	TRG			12/10/06	14:01	laboratory blank contamination (0.00128 J mg/kg)	338509
x	v7084	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			12/10/06	12:18	calibration drift (%D= 22)	
x	v7083	CCV1	SW8260B			trans-1,4-Dichloro-2-butene	J+ to RRs (none)	VOC			12/10/06	11:58	calibration drift (%D= 23)	
x	v7083	CCV1	SW8260B			Vinyl acetate	J+ to RRs (none)	VOC			12/10/06	11:58	calibration drift (%D= 162)	
LCSD for HBN 338509 [MSV/9605]	437305	LCSD	SW8260B		S	Vinyl acetate	J+ to RRs (none)	TRG			12/10/06	12:59	high ave LCS/LCSD recovery (252%)	338509

034052

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
LCSD for HBN 338541 [MSV/9609]	437445	LCSD	SW8260B		S	1,1-Dichloroethane	J to RRs (none)	TRG			12/11/06	9:33	poor LCS/LCSD precision (56 RPD)	338541
x	v7120	CCV1	SW8260B			Acetone	J+ to RRs	VOC			12/11/06	8:29	calibration drift (%D= 37)	
MB for HBN 338541 [MSV/9609]	437443	LB	SW8260B		S	Acetone	U to RRs < 10 x BlankEquivConc	TRG			12/11/06	9:53	laboratory blank contamination (0.0075 J mg/kg)	338541
x	v7120	CCV1	SW8260B			Acrolein	J+ to RRs (none)	VOC			12/11/06	8:29	calibration drift (%D= 105)	
LCSD for HBN 338541 [MSV/9609]	437445	LCSD	SW8260B		S	Acrolein	J+ to RRs (none)	TRG			12/11/06	9:33	high ave LCS/LCSD recovery (177.5%)	338541
x	v7120	CCV1	SW8260B			Bromomethane	J- / UJ to RRs/NDs	VOC			12/11/06	8:29	calibration drift (%D= -48)	
LCSD for HBN 338541 [MSV/9609]	437445	LCSD	SW8260B		S	Bromomethane	J- / UJ to RRs/NDs	TRG			12/11/06	9:33	low ave LCS/LCSD recovery (54.5%)	338541
x	v7120	CCV1	SW8260B			Chloroethane	J+ to RRs (none)	VOC			12/11/06	8:29	calibration drift (%D= 64)	
x	v7120	CCV1	SW8260B			Dichlorodifluoromethane	J- / UJ to RRs/NDs	VOC			12/11/06	8:29	calibration drift (%D= -22)	
x	v7120	CCV1	SW8260B			Methyl iodide	J- / UJ to RRs/NDs	VOC			12/11/06	8:29	calibration drift (%D= -69)	
LCSD for HBN 338541 [MSV/9609]	437445	LCSD	SW8260B		S	Methyl iodide	J- / UJ to RRs/NDs	TRG			12/11/06	9:33	low ave LCS/LCSD recovery (39%)	338541
x	v7121	CCV2	SW8260B			n-Butyl alcohol	J+ to RRs (none)	App9			12/11/06	8:50	calibration drift (%D= 29)	
x	v7120	CCV1	SW8260B			trans-1,2-Dichloroethene	J+ to RRs (none)	VOC			12/11/06	8:29	calibration drift (%D= 24)	
x	v7120	CCV1	SW8260B			Vinyl acetate	J+ to RRs (none)	VOC			12/11/06	8:29	calibration drift (%D= 162)	
LCSD for HBN 338541 [MSV/9609]	437445	LCSD	SW8260B		S	Vinyl acetate	J+ to RRs (none)	TRG			12/11/06	9:33	high ave LCS/LCSD recovery (259%)	338541
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8260B		S	1,1,2,2-Tetrachloroethane	J to RRs (none)	TRG			12/10/06	16:17	poor MS/MSD precision (44 RPD)	338509
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8260B		S	Acetone	none (waived due to high parent conc)	TRG			12/10/06	16:17	low ave MS/MSD recovery (-17%)	338509
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8260B		S	Acetone	J to RRs	TRG			12/10/06	16:17	poor MS/MSD precision (45 RPD)	338509
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8260B		S	Acrolein	J- / UJ to RRs/NDs	TRG			12/10/06	16:17	low ave MS/MSD recovery (42.5%)	338509

034053

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
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8260B		S	Acrolein	J to RRs (none)	TRG			12/10/06	16:17	poor MS/MSD precision (162 RPD)	338509
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8260B		S	Carbon disulfide	J to RRs	TRG			12/10/06	16:17	poor MS/MSD precision (52 RPD)	338509
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8260B		S	Vinyl acetate	J to RRs (none)	TRG			12/10/06	16:17	poor MS/MSD precision (120 RPD)	338509
x	d4455	ICAL1	SW8270C			n-Nitrosodimethylamine	J / UJ to RRs/NDs	SVOC			12/11/06	7:00	poor calibration fit (%RSD=25)	
x	d4455	ICAL1	SW8270C			Pyridine	J / UJ to RRs/NDs	SVOC			12/11/06	7:00	poor calibration fit (%RSD=24)	
x	d4455	ICAL1	SW8270C			Benzidine	J to RRs < adjusted SQL (none)	SVOC			12/11/06	7:00	lowest ICAL standard at 1.65 mg/kg, adjust SQL 1.25x (Sed)	
x	d4455	ICAL1	SW8270C			Benzoic acid	J / UJ to RRs/NDs	SVOC			12/11/06	7:00	low instrument response (low RRF), elevate SDL for NDs 3x (Sed)	
x	d4530	CCV1	SW8270C			Pyridine	J- / UJ to RRs/NDs	SVOC			12/13/06	10:09	calibration drift (%D= -38)	
x	d4530	CCV1	SW8270C			N-Nitrosodimethylamine	J- / UJ to RRs/NDs	SVOC			12/13/06	10:09	calibration drift (%D= -24)	
x	d4530	CCV1	SW8270C			Benzoic acid	J- / UJ to RRs/NDs	SVOC			12/13/06	10:09	calibration drift (%D= -22)	
x	d4530	CCV1	SW8270C			Benzaldehyde	J+ to RRs (none)	SVOC			12/13/06	10:09	calibration drift (%D= 71)	
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	2,4-Dinitrophenol	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (47.5%)	338577
LCSD for HBN 338464 [EXTO/1578	436895	LCSD	SW8270C		S	3,3'-Dichlorobenzidine	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	8:14	low ave LCS/LCSD recovery (41.5%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	3,3'-Dichlorobenzidine	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (57.5%)	338577
LCSD for HBN 338464 [EXTO/1578	436895	LCSD	SW8270C		S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	8:14	low ave LCS/LCSD recovery (44.5%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	3-Nitroaniline	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (57.5%)	338577
LCSD for HBN 338464 [EXTO/1578	436895	LCSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	8:14	low ave LCS/LCSD recovery (34%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	4-Chloroaniline	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (49.5%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	4-Nitrophenol	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (59%)	338577

034054

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
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	Benzidine	J+ to RRs (none)	TRG	12/8/06	17:00	12/11/06	9:28	high ave MS/MSD recovery (429%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	Benzoic acid	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (26.5%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	Benzoic acid	J to RRs (none)	TRG	12/8/06	17:00	12/11/06	9:28	poor MS/MSD precision (50 RPD)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	Caprolactam	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (52%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	Hexachloroethane	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (58.5%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	n-Nitrosodimethylamine	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (56.5%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	Pentachlorophenol	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (58%)	338577
2WSED1-001 (0-0.5) MSD	20612072805	MSD	SW8270C		S	Pyridine	J- / UJ to RRs/NDs	TRG	12/8/06	17:00	12/11/06	9:28	low ave MS/MSD recovery (52.5%)	338577
2WSED16-016 (0-0.5)	20612072803	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	12/8/06	17:00	12/11/06	8:59	low acid SU recovery (54%)	338577
2WSED10-010 (0-0.5)	20612072810	SMP	SW8270C		S	2,4,6-Tribromophenol	J- / UJ to RRs/NDs for acid (phenolic) analytes	SUR	12/8/06	17:00	12/11/06	10:42	low acid SU recovery (35%)	338577
2WSED10-010 (0-0.5)	20612072810	SMP	SW8270C		S	2-Fluorobiphenyl	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	12/8/06	17:00	12/11/06	10:42	low base/neutral SU recovery (45%)	338577
2WSED10-010 (0-0.5)	20612072810	SMP	SW8270C		S	2-Fluorophenol	J- / UJ to RRs/NDs for acid (phenolic) analytes	SUR	12/8/06	17:00	12/11/06	10:42	low acid SU recovery (42%)	338577
2WSED10-010 (0-0.5)	20612072810	SMP	SW8270C		S	Nitrobenzene-d5	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	12/8/06	17:00	12/11/06	10:42	low base/neutral SU recovery (45%)	338577
2WSED10-010 (0-0.5)	20612072810	SMP	SW8270C		S	Phenol-d5	J- / UJ to RRs/NDs for acid (phenolic) analytes	SUR	12/8/06	17:00	12/11/06	10:42	low acid SU recovery (40%)	338577
2WSED10-010 (0-0.5)	20612072810	SMP	SW8270C		S	Terphenyl-d14	J- / UJ to RRs/NDs for B/N (non-phenolic) analytes	SUR	12/8/06	17:00	12/11/06	10:42	low base/neutral SU recovery (47%)	338577
2WSED11-011 (0-0.5)	20612072811	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	12/8/06	17:00	12/11/06	10:57	low acid SU recovery (54%)	338577
2WSED15-015 (0-0.5)	20612072816	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	12/8/06	17:00	12/13/06	10:42	low acid SU recovery (59%)	338715
2WSED14-014 (0-0.5)	20612072819	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	12/8/06	17:00	12/11/06	12:54	low acid SU recovery (55%)	338577
2WSED17-017 (0-0.5)	20612072820	SMP	SW8270C		S	2,4,6-Tribromophenol	none (only one of multiple surrogates is deficient)	SUR	12/8/06	17:00	12/11/06	13:09	low acid SU recovery (58%)	338577

034055

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
2WSED3-003 (0-0.5)D	20612072814	FLDDUP	SW9060		S	Total Organic Carbon	J / UJ to RRs/NDs	TRG			12/15/06	10:00	large difference between field duplicate pair (> 3 x MQL)	338838

034056

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 01/09/2007

GCAL Report 206120728

Deliver To	Pastor, Behling, & Wheeler
Attn	Jen Pavesi

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206120728

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 for analytical batch 338541, an MS/MSD was not reported. However, an LCS/LCSD is included for review.

In the SW-846 8260B analysis for analytical batch 338509, vinyl acetate exhibited high recovery in the LCS/LCSD. However, vinyl acetate was not detected during sample analysis. Acrolien exhibited high recovery in the LCSD. However, acrolien was not detected during sample analysis. The MS/MSD exhibited sporadic recovery and RPD failures. This is attributed to matrix interference.

In the SW-846 8260B analysis for analytical batch 338541, the LCS/LCSD exhibited marginal sporadic recovery and RPD failures for the extended list of spike compounds.

SEMI-VOLATILES MASS SPECTROMETRY

In the SW-846 8270C analysis, sample 20612072816 (2WSED15-015 (0-0.5)) had to be diluted due to compounds that were detected above the linear range of the calibration.

In the SW-846 8270C analysis for prep batch 338464, the MS/MSD exhibited sporadic recovery and RPD failures. All LCS/LCSD recoveries and RPDs were acceptable. This is attributed to matrix interference.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8081A analysis for prep batch 340219, no MS/MSD was performed due to insufficient sample volume. Endosulfan I was recovered outside of the established control limits for the LCS and LCSD.

In the SW-846 8082 analysis for prep batch 340220, no MS/MSD was performed due to insufficient sample volume. Aroclor-1016 was recovered outside of the established control limits for the LCSD.

In the SW-846 8081A analysis, sample 20612072815 (2WSED4-004 (0-0.5)) exhibited low surrogate recoveries in the primary analysis. Sample 20612072814 (2WSED3-003 (0-0.5)D)) had a high surrogate recovery for DCBP. These samples were re-extracted and analyzed with a similar surrogate recovery. This is attributed to matrix interference.

034058

In the SW-846 8082 analysis, sample 20612072815 (2WSED4-004 (0-0.5)) exhibited low surrogate recoveries in the primary analysis. This sample was re-extracted and analyzed with a similar surrogate recovery. This is attributed to matrix interference. Sample 20612072814 (2WSED3-003 (0-0.5)D)), the surrogate recovery for DCBP was above QC limits; however, there were no target analytes present in the sample so the data was not affected.

In the SW-846 8081A analysis for prep batch 338462, the MS/MSD exhibited recovery and RPD failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

METALS

In the SW-846 6010B analysis for prep batch 338389, the MS and/or MSD recoveries were outside the control limits for Antimony, Barium, Boron and Titanium. 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 96% for Antimony, 92% for Barium, 96% for Boron and 103% for Titanium. The MS/MSD recoveries and RPD are not applicable for Aluminum, Iron and Manganese because the sample concentration is greater than four times the spike concentration. Copper, Lithium, Titanium and Vanadium are flagged as estimated due to the fact that the percent difference between the original sample result and the serial dilution result is greater than 10. A chemical or physical interference is suspected.

034059

Laboratory Endorsement

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

Common Abbreviations Utilized in this Report

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

Reporting Flags Utilized in this Report

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

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

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

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

Curtis Ekker

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206120728

THIS REPORT CONTAINS 1,569 PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072801	2WSED1-001 (0-0.5)	Solid	12/06/2006 11:15	12/07/2006 10:25
20612072802	2WSED8-008 (0-0.5)	Solid	12/06/2006 10:15	12/07/2006 10:25
20612072803	2WSED16-016 (0-0.5)	Solid	12/06/2006 10:30	12/07/2006 10:25
20612072804	2WSED1-001 (0-0.5) MS	Solid	12/06/2006 11:15	12/07/2006 10:25
20612072805	2WSED1-001 (0-0.5) MSD	Solid	12/06/2006 11:15	12/07/2006 10:25
20612072806	2WSED2-002 (0-0.5)	Solid	12/06/2006 08:25	12/07/2006 10:25
20612072807	2WSED5-005 (0-0.5)	Solid	12/06/2006 08:20	12/07/2006 10:25
20612072808	2WSED6-006 (0-0.5)	Solid	12/06/2006 08:25	12/07/2006 10:25
20612072809	2WSED9-009 (0-0.5)	Solid	12/06/2006 10:20	12/07/2006 10:25
20612072810	2WSED10-010 (0-0.5)	Solid	12/06/2006 09:30	12/07/2006 10:25
20612072811	2WSED11-011 (0-0.5)	Solid	12/06/2006 09:35	12/07/2006 10:25
20612072812	2WSED12-012 (0-0.5)	Solid	12/06/2006 09:40	12/07/2006 10:25
20612072813	2WSED3-003 (0-0.5)	Solid	12/06/2006 11:00	12/07/2006 10:25
20612072814	2WSED3-003 (0-0.5)D	Solid	12/06/2006 11:00	12/07/2006 10:25
20612072815	2WSED4-004 (0-0.5)	Solid	12/06/2006 11:30	12/07/2006 10:25
20612072816	2WSED15-015 (0-0.5)	Solid	12/06/2006 11:35	12/07/2006 10:25
20612072817	2WSED7-007 (0-0.5)	Solid	12/06/2006 09:00	12/07/2006 10:25
20612072818	2WSED13-013 (0-0.5)	Solid	12/06/2006 09:05	12/07/2006 10:25
20612072819	2WSED14-014 (0-0.5)	Solid	12/06/2006 09:10	12/07/2006 10:25
20612072820	2WSED17-017 (0-0.5)	Solid	12/06/2006 11:30	12/07/2006 10:25

2B
SOIL VOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Method: SW-846 8260

	SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	TOT OUT
1.	2WSED1-001 (0-0.5)	89		93		88		93		0
2.	2WSED8-008 (0-0.5)	83		87		87		90		0
3.	2WSED16-016 (0-0.5)	84		91		89		91		0
4.	2WSED1-001 (0-0.5) MS	65		90		96		90		0
5.	2WSED1-001 (0-0.5) MSD	87		93		86		91		0
6.	2WSED2-002 (0-0.5)	95		97		98		103		0
7.	2WSED5-005 (0-0.5)	82		92		90		93		0
8.	2WSED6-006 (0-0.5)	80		89		88		92		0
9.	2WSED9-009 (0-0.5)	86		90		86		93		0
10.	2WSED10-010 (0-0.5)	84		92		86		92		0
11.	2WSED11-011 (0-0.5)	85		92		86		93		0
12.	2WSED12-012 (0-0.5)	88		91		90		94		0
13.	2WSED3-003 (0-0.5)	82		90		91		97		0
14.	2WSED3-003 (0-0.5)D	84		89		87		98		0
15.	2WSED4-004 (0-0.5)	80		91		90		96		0
16.	2WSED15-015 (0-0.5)	82		88		88		93		0
17.	2WSED7-007 (0-0.5)	79		94		88		94		0
18.	2WSED13-013 (0-0.5)	83		92		84		93		0
19.	2WSED14-014 (0-0.5)	82		89		86		92		0
20.	2WSED17-017 (0-0.5)	86		92		87		91		0
21.	LCSD437445	86		91		83		91		0
22.	LCSD437305	102		79		83		81		0
23.	LCS437304	99		78		82		79		0
24.	LCS437444	86		93		85		95		0
25.	MB437443	88		93		89		96		0
26.	MB437303	86		88		85		91		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 LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338509

SAMPLE NO : 437304

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.025	0	.024	94		80 - 120
1,1,1-Trichloroethane	mg/kg	.025	0	.026	102		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.025	0	.023	92		75 - 134
1,1,2-Trichloroethane	mg/kg	.025	0	.024	94		80 - 121
1,1-Dichloroethane	mg/kg	.025	0	.024	96		73 - 131
1,1-Dichloroethene	mg/kg	.025	0	.023	90		73 - 134
1,1-Dichloropropene	mg/kg	.025	0	.024	94		79 - 124
1,2,3-Trichloropropane	mg/kg	.025	0	.024	95		76 - 135
1,2,4-Trichlorobenzene	mg/kg	.025	0	.024	97		79 - 129
1,2,4-Trimethylbenzene	mg/kg	.025	0	.024	97		80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.025	0	.021	85		60 - 146
1,2-Dibromoethane	mg/kg	.025	0	.023	91		79 - 123
1,2-Dichlorobenzene	mg/kg	.025	0	.023	93		80 - 120
1,2-Dichloroethane	mg/kg	.025	0	.023	94		76 - 125
1,2-Dichloropropane	mg/kg	.025	0	.023	90		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.025	0	.025	102		80 - 122
1,3-Dichlorobenzene	mg/kg	.025	0	.024	96		80 - 120
1,3-Dichloropropane	mg/kg	.025	0	.023	92		80 - 122
1,4-Dichlorobenzene	mg/kg	.025	0	.023	93		80 - 120
2,2-Dichloropropane	mg/kg	.025	0	.024	96		68 - 130
2-Butanone	mg/kg	.025	0	.02	82		45 - 170
2-Chloroethylvinyl ether	mg/kg	.025	0	.023	92		60 - 135
2-Chlorotoluene	mg/kg	.025	0	.026	102		80 - 123
2-Hexanone	mg/kg	.025	0	.022	89		56 - 153
4-Chlorotoluene	mg/kg	.025	0	.024	96		80 - 121
4-Isopropyltoluene	mg/kg	.025	0	.025	101		80 - 123
4-Methyl-2-pentanone	mg/kg	.025	0	.023	90		56 - 147
Acetone	mg/kg	.025	0	.025	102		18 - 201
Acrolein	mg/kg	.125	0	.199	159		40 - 164
Acrylonitrile	mg/kg	.125	0	.125	100		53 - 153
Benzene	mg/kg	.025	0	.023	90		80 - 120
Bromobenzene	mg/kg	.025	0	.025	98		80 - 125
Bromodichloromethane	mg/kg	.025	0	.023	93		80 - 120
Bromoform	mg/kg	.025	0	.023	90		74 - 125
Bromomethane	mg/kg	.025	0	.023	90		44 - 163
Carbon disulfide	mg/kg	.025	0	.022	86		69 - 135

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

* Values outside of QC limits

RPD : 0 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

FORM III VOA-2

034063

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338509

Carbon tetrachloride	mg/kg	.025	0	.023	92		75	-	123
Chlorobenzene	mg/kg	.025	0	.024	94		80	-	120
Chloroethane	mg/kg	.025	0	.023	91		47	-	155
Chloroform	mg/kg	.025	0	.024	95		72	-	127
Chloromethane	mg/kg	.025	0	.018	74		59	-	150
Cyclohexane	mg/kg	.025	0	.024	97		61	-	143
Dibromochloromethane	mg/kg	.025	0	.023	90		80	-	122
Dibromomethane	mg/kg	.025	0	.022	88		79	-	120
Dichlorodifluoromethane	mg/kg	.025	0	.018	74		63	-	139
Ethylbenzene	mg/kg	.025	0	.024	94		80	-	120
Hexachlorobutadiene	mg/kg	.025	0	.026	103		73	-	131
Isopropylbenzene (Cumene)	mg/kg	.025	0	.024	96		80	-	122
Methyl Acetate	mg/kg	.025	0	.021	83		41	-	164
Methyl iodide	mg/kg	.025	0	.022	88		52	-	145
Methylcyclohexane	mg/kg	.025	0	.024	96		79	-	122
Methylene chloride	mg/kg	.025	0	.019	76		64	-	138
Naphthalene	mg/kg	.025	0	.023	92		62	-	146
Styrene	mg/kg	.025	0	.023	91		80	-	120
Tetrachloroethene	mg/kg	.025	0	.024	97		76	-	126
Toluene	mg/kg	.025	0	.023	90		80	-	120
Trichloroethene	mg/kg	.025	0	.023	93		78	-	120
Trichlorofluoromethane	mg/kg	.025	0	.02	78		68	-	135
Trichlorotrifluoroethane	mg/kg	.025	0	.024	95		71	-	137
Vinyl acetate	mg/kg	.025	0	.062	248	*	59	-	146
Vinyl chloride	mg/kg	.025	0	.021	85		72	-	134
Xylene (total)	mg/kg	.075	0	.071	95		80	-	120
cis-1,2-Dichloroethene	mg/kg	.025	0	.023	93		73	-	131
cis-1,3-Dichloropropene	mg/kg	.025	0	.023	91		80	-	120
m,p-Xylene	mg/kg	.05	0	.048	96		80	-	121
n-Butylbenzene	mg/kg	.025	0	.026	103		80	-	126
n-Propylbenzene	mg/kg	.025	0	.025	101		80	-	124
o-Xylene	mg/kg	.025	0	.023	93		80	-	122
sec-Butylbenzene	mg/kg	.025	0	.026	102		80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.025	0	.022	89		71	-	130
tert-Butylbenzene	mg/kg	.025	0	.028	110		80	-	123
trans-1,2-Dichloroethene	mg/kg	.025	0	.024	96		71	-	134
trans-1,3-Dichloropropene	mg/kg	.025	0	.024	96		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.025	0	.023	93		67	-	142

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

* Values outside of QC limits

RPD : 0 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338509

SAMPLE NO : 437305

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.025	.023	93		4		80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.025	.025	100		4		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.025	.024	97		4		75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.025	.024	96		0		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.025	.024	95		0		73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.025	.024	97		4		73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.025	.025	98		4		79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.025	.025	99		4		76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.025	.027	106		12		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.025	.025	101		4		80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.025	.025	98		17		60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.025	.024	96		4		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.025	.024	98		4		80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.025	.025	99		8		76 - 125	0 - 30
1,2-Dichloropropane	mg/kg	.025	.023	93		0		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.025	.026	103		4		80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.025	.025	101		4		80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.025	.024	96		4		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.025	.024	96		4		80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.025	.025	98		4		68 - 130	0 - 30
2-Butanone	mg/kg	.025	.022	90		10		45 - 170	0 - 30
2-Chloroethylvinyl ether	mg/kg	.025	.026	102		12		60 - 135	0 - 30
2-Chlorotoluene	mg/kg	.025	.026	105		0		80 - 123	0 - 30
2-Hexanone	mg/kg	.025	.024	94		9		56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.025	.026	104		8		80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.025	.026	105		4		80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.025	.024	98		4		56 - 147	0 - 30
Acetone	mg/kg	.025	.024	95		4		18 - 201	0 - 30
Acrolein	mg/kg	.125	.217	174	*	9		40 - 164	0 - 30
Acrylonitrile	mg/kg	.125	.135	108		8		53 - 153	0 - 30
Benzene	mg/kg	.025	.024	95		4		80 - 120	0 - 21
Bromobenzene	mg/kg	.025	.025	101		0		80 - 125	0 - 30
Bromodichloromethane	mg/kg	.025	.025	98		8		80 - 120	0 - 30
Bromoform	mg/kg	.025	.024	95		4		74 - 125	0 - 30
Bromomethane	mg/kg	.025	.024	95		4		44 - 163	0 - 30
Carbon disulfide	mg/kg	.025	.023	92		4		69 - 135	0 - 30

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

* Values outside of QC limits

RPD : 0 out of 74 outside limits

Spike Recovery: 3 out of 148 outside limits

FORM III VOA-2

034065

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338509

Carbon tetrachloride	mg/kg	.025	.024	95		4		75 - 123	0 - 30
Chlorobenzene	mg/kg	.025	.024	96		0		80 - 120	0 - 21
Chloroethane	mg/kg	.025	.025	98		8		47 - 155	0 - 30
Chloroform	mg/kg	.025	.025	100		4		72 - 127	0 - 30
Chloromethane	mg/kg	.025	.024	94		29		59 - 150	0 - 30
Cyclohexane	mg/kg	.025	.025	99		4		61 - 143	0 - 30
Dibromochloromethane	mg/kg	.025	.023	92		0		80 - 122	0 - 30
Dibromomethane	mg/kg	.025	.023	93		4		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.025	.019	74		5		63 - 139	0 - 30
Ethylbenzene	mg/kg	.025	.024	96		0		80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.025	.027	106		4		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.025	.025	98		4		80 - 122	0 - 30
Methyl Acetate	mg/kg	.025	.023	94		9		41 - 164	0 - 30
Methyl iodide	mg/kg	.025	.021	84		5		52 - 145	0 - 30
Methylcyclohexane	mg/kg	.025	.025	100		4		79 - 122	0 - 30
Methylene chloride	mg/kg	.025	.02	78		5		64 - 138	0 - 30
Naphthalene	mg/kg	.025	.026	102		12		62 - 146	0 - 30
Styrene	mg/kg	.025	.024	94		4		80 - 120	0 - 30
Tetrachloroethene	mg/kg	.025	.024	94		0		76 - 126	0 - 30
Toluene	mg/kg	.025	.023	92		0		80 - 120	0 - 21
Trichloroethene	mg/kg	.025	.024	94		4		78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.025	.023	94		14		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.025	.024	97		0		71 - 137	0 - 30
Vinyl acetate	mg/kg	.025	.064	256	*	3		59 - 146	0 - 30
Vinyl chloride	mg/kg	.025	.024	94		13		72 - 134	0 - 30
Xylene (total)	mg/kg	.075	.072	96		1		80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.025	.024	96		4		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.025	.024	94		4		80 - 120	0 - 30
m,p-Xylene	mg/kg	.05	.048	96		0		80 - 121	0 - 30
n-Butylbenzene	mg/kg	.025	.027	109		4		80 - 126	0 - 30
n-Propylbenzene	mg/kg	.025	.026	104		4		80 - 124	0 - 30
o-Xylene	mg/kg	.025	.024	95		4		80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.025	.026	104		0		80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.025	.024	94		9		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.025	.028	112		0		80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.025	.025	100		4		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.025	.025	100		4		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.025	.024	95		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 74 outside limits

Spike Recovery: 3 out of 148 outside limits

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338541

SAMPLE NO : 437444

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	#	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.025	0	.023	90		80 - 120
1,1,1-Trichloroethane	mg/kg	.025	0	.025	102		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.025	0	.024	95		75 - 134
1,1,2-Trichloroethane	mg/kg	.025	0	.023	93		80 - 121
1,1-Dichloroethane	mg/kg	.025	0	.025	101		73 - 131
1,1-Dichloroethene	mg/kg	.025	0	.023	91		73 - 134
1,1-Dichloropropene	mg/kg	.025	0	.024	95		79 - 124
1,2,3-Trichloropropane	mg/kg	.025	0	.024	94		76 - 135
1,2,4-Trichlorobenzene	mg/kg	.025	0	.025	100		79 - 129
1,2,4-Trimethylbenzene	mg/kg	.025	0	.024	95		80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.025	0	.023	90		60 - 146
1,2-Dibromoethane	mg/kg	.025	0	.023	93		79 - 123
1,2-Dichlorobenzene	mg/kg	.025	0	.023	92		80 - 120
1,2-Dichloroethane	mg/kg	.025	0	.026	105		76 - 125
1,2-Dichloropropane	mg/kg	.025	0	.024	96		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.025	0	.024	96		80 - 122
1,3-Dichlorobenzene	mg/kg	.025	0	.023	94		80 - 120
1,3-Dichloropropane	mg/kg	.025	0	.023	92		80 - 122
1,4-Dichlorobenzene	mg/kg	.025	0	.023	91		80 - 120
2,2-Dichloropropane	mg/kg	.025	0	.025	98		68 - 130
2-Butanone	mg/kg	.025	0	.023	94		45 - 170
2-Chloroethylvinyl ether	mg/kg	.025	0	.026	104		60 - 135
2-Chlorotoluene	mg/kg	.025	0	.024	96		80 - 123
2-Hexanone	mg/kg	.025	0	.023	94		56 - 153
4-Chlorotoluene	mg/kg	.025	0	.024	97		80 - 121
4-Isopropyltoluene	mg/kg	.025	0	.024	96		80 - 123
4-Methyl-2-pentanone	mg/kg	.025	0	.025	101		56 - 147
Acetone	mg/kg	.025	0	.03	119		18 - 201
Acrolein	mg/kg	.125	0	.228	182	*	40 - 164
Acrylonitrile	mg/kg	.125	0	.136	109		53 - 153
Benzene	mg/kg	.025	0	.024	96		80 - 120
Bromobenzene	mg/kg	.025	0	.024	97		80 - 125
Bromodichloromethane	mg/kg	.025	0	.025	101		80 - 120
Bromoform	mg/kg	.025	0	.022	88		74 - 125
Bromomethane	mg/kg	.025	0	.013	52		44 - 163
Carbon disulfide	mg/kg	.025	0	.022	86		69 - 135

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

* Values outside of QC limits

RPD : 1 out of 74 outside limits

Spike Recovery: 7 out of 148 outside limits

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338541

Carbon tetrachloride	mg/kg	.025	0	.027	106		75	-	123
Chlorobenzene	mg/kg	.025	0	.023	91		80	-	120
Chloroethane	mg/kg	.025	0	.026	105		47	-	155
Chloroform	mg/kg	.025	0	.026	103		72	-	127
Chloromethane	mg/kg	.025	0	.019	76		59	-	150
Cyclohexane	mg/kg	.025	0	.024	94		61	-	143
Dibromochloromethane	mg/kg	.025	0	.023	93		80	-	122
Dibromomethane	mg/kg	.025	0	.025	98		79	-	120
Dichlorodifluoromethane	mg/kg	.025	0	.019	74		63	-	139
Ethylbenzene	mg/kg	.025	0	.022	88		80	-	120
Hexachlorobutadiene	mg/kg	.025	0	.024	96		73	-	131
Isopropylbenzene (Cumene)	mg/kg	.025	0	.023	90		80	-	122
Methyl Acetate	mg/kg	.025	0	.025	101		41	-	164
Methyl iodide	mg/kg	.025	0	.00961	38	*	52	-	145
Methylcyclohexane	mg/kg	.025	0	.023	92		79	-	122
Methylene chloride	mg/kg	.025	0	.023	94		64	-	138
Naphthalene	mg/kg	.025	0	.024	98		62	-	146
Styrene	mg/kg	.025	0	.023	90		80	-	120
Tetrachloroethene	mg/kg	.025	0	.022	87		76	-	126
Toluene	mg/kg	.025	0	.022	86		80	-	120
Trichloroethene	mg/kg	.025	0	.023	91		78	-	120
Trichlorofluoromethane	mg/kg	.025	0	.022	86		68	-	135
Trichlorotrifluoroethane	mg/kg	.025	0	.023	90		71	-	137
Vinyl acetate	mg/kg	.025	0	.066	266	*	59	-	146
Vinyl chloride	mg/kg	.025	0	.022	86		72	-	134
Xylene (total)	mg/kg	.075	0	.068	90		80	-	120
cis-1,2-Dichloroethene	mg/kg	.025	0	.025	100		73	-	131
cis-1,3-Dichloropropene	mg/kg	.025	0	.024	95		80	-	120
m,p-Xylene	mg/kg	.05	0	.046	91		80	-	121
n-Butylbenzene	mg/kg	.025	0	.025	98		80	-	126
n-Propylbenzene	mg/kg	.025	0	.024	95		80	-	124
o-Xylene	mg/kg	.025	0	.022	89		80	-	122
sec-Butylbenzene	mg/kg	.025	0	.024	97		80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.025	0	.027	108		71	-	130
tert-Butylbenzene	mg/kg	.025	0	.026	105		80	-	123
trans-1,2-Dichloroethene	mg/kg	.025	0	.028	110		71	-	134
trans-1,3-Dichloropropene	mg/kg	.025	0	.024	96		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.025	0	.023	93		67	-	142

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

* Values outside of QC limits

RPD : 1 out of 74 outside limits

Spike Recovery: 7 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338541

SAMPLE NO : 437445

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*QC. LIMITS RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.025	.022	86		4		80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.025	.023	93		8		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.025	.024	96		0		75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.025	.023	92		0		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.025	.014	54	*	56	*	73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.025	.023	92		0		73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.025	.021	86		13		79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.025	.024	96		0		76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.025	.024	96		4		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.025	.023	92		4		80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.025	.023	91		0		60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.025	.022	90		4		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.025	.022	90		4		80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.025	.025	100		4		76 - 125	0 - 30
1,2-Dichloropropane	mg/kg	.025	.023	90		4		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.025	.023	93		4		80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.025	.022	87		4		80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.025	.023	90		0		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.025	.022	88		4		80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.025	.023	90		8		68 - 130	0 - 30
2-Butanone	mg/kg	.025	.024	94		4		45 - 170	0 - 30
2-Chloroethylvinyl ether	mg/kg	.025	.024	98		8		60 - 135	0 - 30
2-Chlorotoluene	mg/kg	.025	.023	91		4		80 - 123	0 - 30
2-Hexanone	mg/kg	.025	.024	96		4		56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.025	.023	92		4		80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.025	.023	92		4		80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.025	.026	102		4		56 - 147	0 - 30
Acetone	mg/kg	.025	.026	104		14		18 - 201	0 - 30
Acrolein	mg/kg	.125	.216	173	*	5		40 - 164	0 - 30
Acrylonitrile	mg/kg	.125	.115	92		17		53 - 153	0 - 30
Benzene	mg/kg	.025	.022	88		9		80 - 120	0 - 21
Bromobenzene	mg/kg	.025	.024	94		0		80 - 125	0 - 30
Bromodichloromethane	mg/kg	.025	.024	96		4		80 - 120	0 - 30
Bromoform	mg/kg	.025	.022	88		0		74 - 125	0 - 30
Bromomethane	mg/kg	.025	.014	57		7		44 - 163	0 - 30
Carbon disulfide	mg/kg	.025	.022	88		0		69 - 135	0 - 30

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

* Values outside of QC limits

RPD : 1 out of 74 outside limits

Spike Recovery: 7 out of 148 outside limits

FORM III VOA-2

034069

3B

SOIL VOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338541

Carbon tetrachloride	mg/kg	.025	.025	98		8		75 - 123	0 - 30
Chlorobenzene	mg/kg	.025	.021	85		9		80 - 120	0 - 21
Chloroethane	mg/kg	.025	.025	100		4		47 - 155	0 - 30
Chloroform	mg/kg	.025	.024	97		8		72 - 127	0 - 30
Chloromethane	mg/kg	.025	.018	72		5		59 - 150	0 - 30
Cyclohexane	mg/kg	.025	.022	89		9		61 - 143	0 - 30
Dibromochloromethane	mg/kg	.025	.022	88		4		80 - 122	0 - 30
Dibromomethane	mg/kg	.025	.024	94		4		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.025	.016	66		17		63 - 139	0 - 30
Ethylbenzene	mg/kg	.025	.021	83		5		80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.025	.023	93		4		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.025	.022	86		4		80 - 122	0 - 30
Methyl Acetate	mg/kg	.025	.026	104		4		41 - 164	0 - 30
Methyl iodide	mg/kg	.025	.01	40	*	4		52 - 145	0 - 30
Methylcyclohexane	mg/kg	.025	.021	85		9		79 - 122	0 - 30
Methylene chloride	mg/kg	.025	.02	81		14		64 - 138	0 - 30
Naphthalene	mg/kg	.025	.025	99		4		62 - 146	0 - 30
Styrene	mg/kg	.025	.022	88		4		80 - 120	0 - 30
Tetrachloroethene	mg/kg	.025	.02	80		10		76 - 126	0 - 30
Toluene	mg/kg	.025	.021	82		5		80 - 120	0 - 21
Trichloroethene	mg/kg	.025	.022	86		4		78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.025	.022	89		0		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.025	.023	90		0		71 - 137	0 - 30
Vinyl acetate	mg/kg	.025	.063	252	*	5		59 - 146	0 - 30
Vinyl chloride	mg/kg	.025	.021	83		5		72 - 134	0 - 30
Xylene (total)	mg/kg	.075	.064	85		6		80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.025	.023	92		8		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.025	.023	91		4		80 - 120	0 - 30
m,p-Xylene	mg/kg	.05	.043	85		7		80 - 121	0 - 30
n-Butylbenzene	mg/kg	.025	.024	95		4		80 - 126	0 - 30
n-Propylbenzene	mg/kg	.025	.023	92		4		80 - 124	0 - 30
o-Xylene	mg/kg	.025	.021	85		5		80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.025	.023	94		4		80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.025	.025	101		8		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.025	.025	100		4		80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.025	.024	98		15		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.025	.023	93		4		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.025	.023	90		0		67 - 142	0 - 30

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

* Values outside of QC limits

RPD : 1 out of 74 outside limits

Spike Recovery: 7 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338509

SAMPLE NO : 20612072804

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
1,1,1,2-Tetrachloroethane	mg/kg	.046	0	.044	94		80 - 120
1,1,1-Trichloroethane	mg/kg	.046	0	.05	107		74 - 125
1,1,2,2-Tetrachloroethane	mg/kg	.046	0	.029	64	*	75 - 134
1,1,2-Trichloroethane	mg/kg	.046	0	.044	94		80 - 121
1,1-Dichloroethane	mg/kg	.046	0	.05	109		73 - 131
1,1-Dichloroethene	mg/kg	.046	0	.064	140	*	73 - 134
1,1-Dichloropropene	mg/kg	.046	0	.046	99		79 - 124
1,2,3-Trichloropropane	mg/kg	.046	0	.029	64	*	76 - 135
1,2,4-Trichlorobenzene	mg/kg	.046	0	.048	103		79 - 129
1,2,4-Trimethylbenzene	mg/kg	.046	0	.037	81		80 - 122
1,2-Dibromo-3-chloropropane	mg/kg	.046	0	.039	84		60 - 146
1,2-Dibromoethane	mg/kg	.046	0	.039	83		79 - 123
1,2-Dichlorobenzene	mg/kg	.046	0	.048	105		80 - 120
1,2-Dichloroethane	mg/kg	.046	0	.044	97		76 - 125
1,2-Dichloropropane	mg/kg	.046	0	.044	95		80 - 121
1,3,5-Trimethylbenzene	mg/kg	.046	0	.033	74	*	80 - 122
1,3-Dichlorobenzene	mg/kg	.046	0	.044	98		80 - 120
1,3-Dichloropropane	mg/kg	.046	0	.042	93		80 - 122
1,4-Dichlorobenzene	mg/kg	.046	0	.046	101		80 - 120
2,2-Dichloropropane	mg/kg	.046	0	.048	103		68 - 130
2-Butanone	mg/kg	.046	.00327	.026	48		45 - 170
2-Chloroethylvinyl ether	mg/kg	.046	0	.039	83		60 - 135
2-Chlorotoluene	mg/kg	.046	0	.035	75	*	80 - 123
2-Hexanone	mg/kg	.046	0	.029	65		56 - 153
4-Chlorotoluene	mg/kg	.046	0	.033	73	*	80 - 121
4-Isopropyltoluene	mg/kg	.046	0	.044	95		80 - 123
4-Methyl-2-pentanone	mg/kg	.046	0	.033	70		56 - 147
Acetone	mg/kg	.046	.052	.035	-38	*	18 - 201
Acrolein	mg/kg	.229	0	.176	77		40 - 164
Acrylonitrile	mg/kg	.229	0	.158	69		53 - 153
Benzene	mg/kg	.046	0	.046	98		80 - 120
Bromobenzene	mg/kg	.046	0	.033	72	*	80 - 125
Bromodichloromethane	mg/kg	.046	0	.044	97		80 - 120
Bromoform	mg/kg	.046	0	.029	63	*	74 - 125
Bromomethane	mg/kg	.046	0	.044	97		44 - 163
Carbon disulfide	mg/kg	.046	0	.053	115		69 - 135

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

* Values outside of QC limits

RPD : 18 out of 74 outside limits

Spike Recovery: 14 out of 148 outside limits

FORM III VOA-2

034071

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338509

Carbon tetrachloride	mg/kg	.046	0	.044	95		75	-	123
Chlorobenzene	mg/kg	.046	0	.044	96		80	-	120
Chloroethane	mg/kg	.046	0	.046	102		47	-	155
Chloroform	mg/kg	.046	0	.048	103		72	-	127
Chloromethane	mg/kg	.046	0	.04	87		59	-	150
Cyclohexane	mg/kg	.046	0	.046	99		61	-	143
Dibromochloromethane	mg/kg	.046	0	.04	89		80	-	122
Dibromomethane	mg/kg	.046	0	.039	85		79	-	120
Dichlorodifluoromethane	mg/kg	.046	0	.031	69		63	-	139
Ethylbenzene	mg/kg	.046	0	.044	95		80	-	120
Hexachlorobutadiene	mg/kg	.046	0	.048	102		73	-	131
Isopropylbenzene (Cumene)	mg/kg	.046	0	.039	83		80	-	122
Methyl Acetate	mg/kg	.046	0	.037	80		41	-	164
Methyl iodide	mg/kg	.046	0	.04	87		52	-	145
Methylcyclohexane	mg/kg	.046	0	.044	97		79	-	122
Methylene chloride	mg/kg	.046	.00206	.039	80		64	-	138
Naphthalene	mg/kg	.046	0	.04	89		62	-	146
Styrene	mg/kg	.046	0	.037	80		80	-	120
Tetrachloroethene	mg/kg	.046	0	.048	103		76	-	126
Toluene	mg/kg	.046	0	.048	104		80	-	120
Trichloroethene	mg/kg	.046	0	.044	94		78	-	120
Trichlorofluoromethane	mg/kg	.046	0	.042	90		68	-	135
Trichlorotrifluoroethane	mg/kg	.046	0	.062	137		71	-	137
Vinyl acetate	mg/kg	.046	0	.044	97		59	-	146
Vinyl chloride	mg/kg	.046	0	.042	94		72	-	134
Xylene (total)	mg/kg	.138	0	.129	93		80	-	120
cis-1,2-Dichloroethene	mg/kg	.046	0	.046	101		73	-	131
cis-1,3-Dichloropropene	mg/kg	.046	0	.042	91		80	-	120
m,p-Xylene	mg/kg	.092	0	.088	96		80	-	121
n-Butylbenzene	mg/kg	.046	0	.053	116		80	-	126
n-Propylbenzene	mg/kg	.046	0	.033	74	*	80	-	124
o-Xylene	mg/kg	.046	0	.04	87		80	-	122
sec-Butylbenzene	mg/kg	.046	0	.039	85		80	-	123
tert-Butyl methyl ether (MTBE)	mg/kg	.046	0	.044	98		71	-	130
tert-Butylbenzene	mg/kg	.046	0	.039	83		80	-	123
trans-1,2-Dichloroethene	mg/kg	.046	0	.051	112		71	-	134
trans-1,3-Dichloropropene	mg/kg	.046	0	.046	101		80	-	123
trans-1,4-Dichloro-2-butene	mg/kg	.046	0	.028	61	*	67	-	142

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

* Values outside of QC limits

RPD : 18 out of 74 outside limits

Spike Recovery: 14 out of 148 outside limits

FORM III VOA-2

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338509

SAMPLE NO : ***20612072805***

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*#*	*% RPD*	*#*	*QC. LIMITS REC*	*QC. LIMITS RPD*
1,1,1,2-Tetrachloroethane	mg/kg	.046	.042	93		4		80 - 120	0 - 30
1,1,1-Trichloroethane	mg/kg	.046	.05	108		0		74 - 125	0 - 30
1,1,2,2-Tetrachloroethane	mg/kg	.046	.046	99		44	*	75 - 134	0 - 30
1,1,2-Trichloroethane	mg/kg	.046	.044	93		0		80 - 121	0 - 30
1,1-Dichloroethane	mg/kg	.046	.048	104		4		73 - 131	0 - 30
1,1-Dichloroethene	mg/kg	.046	.053	116		19		73 - 134	0 - 22
1,1-Dichloropropene	mg/kg	.046	.046	100		0		79 - 124	0 - 30
1,2,3-Trichloropropane	mg/kg	.046	.044	95		40	*	76 - 135	0 - 30
1,2,4-Trichlorobenzene	mg/kg	.046	.044	95		8		79 - 129	0 - 30
1,2,4-Trimethylbenzene	mg/kg	.046	.048	103		26		80 - 122	0 - 30
1,2-Dibromo-3-chloropropane	mg/kg	.046	.04	86		5		60 - 146	0 - 30
1,2-Dibromoethane	mg/kg	.046	.042	91		9		79 - 123	0 - 30
1,2-Dichlorobenzene	mg/kg	.046	.044	94		8		80 - 120	0 - 30
1,2-Dichloroethane	mg/kg	.046	.048	102		8		76 - 125	0 - 30
1,2-Dichloropropane	mg/kg	.046	.044	96		0		80 - 121	0 - 30
1,3,5-Trimethylbenzene	mg/kg	.046	.048	104		36	*	80 - 122	0 - 30
1,3-Dichlorobenzene	mg/kg	.046	.046	99		4		80 - 120	0 - 30
1,3-Dichloropropane	mg/kg	.046	.042	91		0		80 - 122	0 - 30
1,4-Dichlorobenzene	mg/kg	.046	.044	95		4		80 - 120	0 - 30
2,2-Dichloropropane	mg/kg	.046	.048	104		0		68 - 130	0 - 30
2-Butanone	mg/kg	.046	.039	77		40	*	45 - 170	0 - 30
2-Chloroethylvinyl ether	mg/kg	.046	.044	95		13		60 - 135	0 - 30
2-Chlorotoluene	mg/kg	.046	.048	104		31	*	80 - 123	0 - 30
2-Hexanone	mg/kg	.046	.04	88		32	*	56 - 153	0 - 30
4-Chlorotoluene	mg/kg	.046	.048	101		36	*	80 - 121	0 - 30
4-Isopropyltoluene	mg/kg	.046	.048	103		8		80 - 123	0 - 30
4-Methyl-2-pentanone	mg/kg	.046	.044	96		29		56 - 147	0 - 30
Acetone	mg/kg	.046	.055	6	*	45	*	18 - 201	0 - 30
Acrolein	mg/kg	.231	.018	8	*	162	*	40 - 164	0 - 30
Acrylonitrile	mg/kg	.231	.222	96		34	*	53 - 153	0 - 30
Benzene	mg/kg	.046	.046	97		0		80 - 120	0 - 21
Bromobenzene	mg/kg	.046	.048	103		36	*	80 - 125	0 - 30
Bromodichloromethane	mg/kg	.046	.048	102		8		80 - 120	0 - 30
Bromoform	mg/kg	.046	.042	90		36	*	74 - 125	0 - 30
Bromomethane	mg/kg	.046	.037	80		18		44 - 163	0 - 30
Carbon disulfide	mg/kg	.046	.031	69		52	*	69 - 135	0 - 30

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

* Values outside of QC limits

RPD : 18 out of 74 outside limits

Spike Recovery: 14 out of 148 outside limits

FORM III VOA-2

034073

3B

SOIL VOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8260

Analytical Batch: 338509

Carbon tetrachloride	mg/kg	.046	.046	98		4		75 - 123	0 - 30
Chlorobenzene	mg/kg	.046	.044	94		0		80 - 120	0 - 21
Chloroethane	mg/kg	.046	.046	99		0		47 - 155	0 - 30
Chloroform	mg/kg	.046	.048	104		0		72 - 127	0 - 30
Chloromethane	mg/kg	.046	.042	89		4		59 - 150	0 - 30
Cyclohexane	mg/kg	.046	.048	103		4		61 - 143	0 - 30
Dibromochloromethane	mg/kg	.046	.04	89		0		80 - 122	0 - 30
Dibromomethane	mg/kg	.046	.044	94		13		79 - 120	0 - 30
Dichlorodifluoromethane	mg/kg	.046	.037	79		16		63 - 139	0 - 30
Ethylbenzene	mg/kg	.046	.044	95		0		80 - 120	0 - 30
Hexachlorobutadiene	mg/kg	.046	.044	94		8		73 - 131	0 - 30
Isopropylbenzene (Cumene)	mg/kg	.046	.046	98		17		80 - 122	0 - 30
Methyl Acetate	mg/kg	.046	.029	65		22		41 - 164	0 - 30
Methyl iodide	mg/kg	.046	.029	62		32	*	52 - 145	0 - 30
Methylcyclohexane	mg/kg	.046	.048	101		8		79 - 122	0 - 30
Methylene chloride	mg/kg	.046	.04	83		5		64 - 138	0 - 30
Naphthalene	mg/kg	.046	.042	91		4		62 - 146	0 - 30
Styrene	mg/kg	.046	.042	91		14		80 - 120	0 - 30
Tetrachloroethene	mg/kg	.046	.044	95		8		76 - 126	0 - 30
Toluene	mg/kg	.046	.042	92		12		80 - 120	0 - 21
Trichloroethene	mg/kg	.046	.044	93		0		78 - 120	0 - 24
Trichlorofluoromethane	mg/kg	.046	.042	89		0		68 - 135	0 - 30
Trichlorotrifluoroethane	mg/kg	.046	.055	121		13		71 - 137	0 - 30
Vinyl acetate	mg/kg	.046	.011	24	*	120	*	59 - 146	0 - 30
Vinyl chloride	mg/kg	.046	.044	96		4		72 - 134	0 - 30
Xylene (total)	mg/kg	.14	.134	97		4		80 - 120	0 - 30
cis-1,2-Dichloroethene	mg/kg	.046	.048	102		4		73 - 131	0 - 30
cis-1,3-Dichloropropene	mg/kg	.046	.042	92		0		80 - 120	0 - 30
m,p-Xylene	mg/kg	.092	.09	97		2		80 - 121	0 - 30
n-Butylbenzene	mg/kg	.046	.05	106		7		80 - 126	0 - 30
n-Propylbenzene	mg/kg	.046	.048	104		36	*	80 - 124	0 - 30
o-Xylene	mg/kg	.046	.044	96		9		80 - 122	0 - 30
sec-Butylbenzene	mg/kg	.046	.048	105		21		80 - 123	0 - 30
tert-Butyl methyl ether (MTBE)	mg/kg	.046	.046	100		4		71 - 130	0 - 30
tert-Butylbenzene	mg/kg	.046	.053	114		32	*	80 - 123	0 - 30
trans-1,2-Dichloroethene	mg/kg	.046	.051	112		0		71 - 134	0 - 30
trans-1,3-Dichloropropene	mg/kg	.046	.044	95		4		80 - 123	0 - 30
trans-1,4-Dichloro-2-butene	mg/kg	.046	.039	81		33	*	67 - 142	0 - 30

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

* Values outside of QC limits

RPD : 18 out of 74 outside limits

Spike Recovery: 14 out of 148 outside limits

FORM III VOA-2

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB437303

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061210/v7088 Lab Sample ID: 437303 Date Extracted:

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 12/10/06 Time: 1401

Instrument ID: MSV0 Matrix: Soil Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 338509

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS437304	437304	2061210/v7085	12/10/06	1239
2.	LCSD437305	437305	2061210/v7086	12/10/06	1259
3.	2WSED1-001 (0-0.5)	20612072801	2061210/v7090	12/10/06	1455
4.	2WSED8-008 (0-0.5)	20612072802	2061210/v7091	12/10/06	1516
5.	2WSED16-016 (0-0.5)	20612072803	2061210/v7092	12/10/06	1536
6.	2WSED1-001 (0-0.5) MSD	20612072805	2061210/v7094m	12/10/06	1617
7.	2WSED1-001 (0-0.5) MS	20612072804	2061210/v7096m	12/10/06	1659
8.	2WSED2-002 (0-0.5)	20612072806	2061210/v7097	12/10/06	1729
9.	2WSED5-005 (0-0.5)	20612072807	2061210/v7098	12/10/06	1750
10.	2WSED6-006 (0-0.5)	20612072808	2061210/v7099	12/10/06	1810
11.	2WSED9-009 (0-0.5)	20612072809	2061210/v7100	12/10/06	1831
12.	2WSED10-010 (0-0.5)	20612072810	2061210/v7101	12/10/06	1851
13.	2WSED11-011 (0-0.5)	20612072811	2061210/v7102	12/10/06	1912
14.	2WSED12-012 (0-0.5)	20612072812	2061210/v7103	12/10/06	1935
15.	2WSED3-003 (0-0.5)	20612072813	2061210/v7104	12/10/06	1955
16.	2WSED3-003 (0-0.5)D	20612072814	2061210/v7105	12/10/06	2016
17.	2WSED4-004 (0-0.5)	20612072815	2061210/v7106	12/10/06	2036
18.	2WSED15-015 (0-0.5)	20612072816	2061210/v7107	12/10/06	2057
19.	2WSED7-007 (0-0.5)	20612072817	2061210/v7108	12/10/06	2117
20.	2WSED13-013 (0-0.5)	20612072818	2061210/v7109	12/10/06	2138
21.	2WSED14-014 (0-0.5)	20612072819	2061210/v7110	12/10/06	2158

4A

VOLATILE METHOD BLANK SUMMARY

SAMPLE NO.

MB437443

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061211/v7124 Lab Sample ID: 437443 Date Extracted:

GC Column: DB-624-30M ID: .53 (mm) Date Analyzed: 12/11/06 Time: 0953

Instrument ID: MSV0 Matrix: Soil Heated Purge: Y

Level: LOW

Prep Batch: Analytical Batch: 338541

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

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS437444	437444	2061211/v7122	12/11/06	0912
2.	LCSD437445	437445	2061211/v7123	12/11/06	0933
3.	2WSED17-017 (0-0.5)	20612072820	2061211/v7141	12/11/06	1649

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061201\v6801 BFB Injection Date: 12/01/06

Instrument ID: MSV0 BFB Injection Time: 0719

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

Analytical Batch: 338038

m / e	ION ABUNDANCE CRITERIA	% Relative Abundance			
50	15.0 - 40.0% of mass 95	23.5	(	)	
75	30.0 - 60.0% of mass 95	46.63	(	)	
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	72.16	(	)	
175	5.0 - 9.0% of mass 174	5.19	(7.2	)	1
176	95.0 - 101.0% of mass 174	69.09	(95.75	)	1
177	5.0 - 9.0% of mass 176	4.55	(6.6	)	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	1202	2061201\v6802	12/01/06	0809
2.	V0STD005	1201	2061201\v6803	12/01/06	0829
3.	V0STD010	1207	2061201\v6804	12/01/06	0849
4.	V0STD020	1202	2061201\v6805	12/01/06	0910
5.	V0STD050	1203	2061201\v6806	12/01/06	0930
6.	V0STD100	1204	2061201\v6807	12/01/06	0950
7.	V0STD200	1205	2061201\v6808	12/01/06	1011
8.	V0ICV	1600	2061201\v6811	12/01/06	1130

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061210/v7082 BFB Injection Date: 12/10/06

Instrument ID: MSV0 BFB Injection Time: 1124

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

Analytical Batch: 338509

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	24.61	(	)	
75	30.0 - 60.0% of mass 95	47.33	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	6.93	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	66.44	(	)	
175	5.0 - 9.0% of mass 174	4.88	(7.36	)	1
176	95.0 - 101.0% of mass 174	64.11	(96.5	)	1
177	5.0 - 9.0% of mass 176	4.31	(6.73	)	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	2061210/v7083	12/10/06	1158
2.	V0A9STD050	1400	2061210/v7084	12/10/06	1218
3.	LCS437304	437304	2061210/v7085	12/10/06	1239
4.	LCSD437305	437305	2061210/v7086	12/10/06	1259
5.	MB437303	437303	2061210/v7088	12/10/06	1401
6.	2WSED1-001 (0-0.5)	20612072801	2061210/v7090	12/10/06	1455
7.	2WSED8-008 (0-0.5)	20612072802	2061210/v7091	12/10/06	1516
8.	2WSED16-016 (0-0.5)	20612072803	2061210/v7092	12/10/06	1536
9.	2WSED1-001 (0-0.5) MSD	20612072805	2061210/v7094m	12/10/06	1617
10.	2WSED1-001 (0-0.5) MS	20612072804	2061210/v7096m	12/10/06	1659
11.	2WSED2-002 (0-0.5)	20612072806	2061210/v7097	12/10/06	1729
12.	2WSED5-005 (0-0.5)	20612072807	2061210/v7098	12/10/06	1750
13.	2WSED6-006 (0-0.5)	20612072808	2061210/v7099	12/10/06	1810
14.	2WSED9-009 (0-0.5)	20612072809	2061210/v7100	12/10/06	1831
15.	2WSED10-010 (0-0.5)	20612072810	2061210/v7101	12/10/06	1851
16.	2WSED11-011 (0-0.5)	20612072811	2061210/v7102	12/10/06	1912

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061210/v7082 BFB Injection Date: 12/10/06

Instrument ID: MSV0 BFB Injection Time: 1124

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

Analytical Batch: 338509

17.	2WSED12-012 (0-0.5)	20612072812	2061210/v7103	12/10/06	1935
18.	2WSED3-003 (0-0.5)	20612072813	2061210/v7104	12/10/06	1955
19.	2WSED3-003 (0-0.5)D	20612072814	2061210/v7105	12/10/06	2016
20.	2WSED4-004 (0-0.5)	20612072815	2061210/v7106	12/10/06	2036
21.	2WSED15-015 (0-0.5)	20612072816	2061210/v7107	12/10/06	2057
22.	2WSED7-007 (0-0.5)	20612072817	2061210/v7108	12/10/06	2117
23.	2WSED13-013 (0-0.5)	20612072818	2061210/v7109	12/10/06	2138
24.	2WSED14-014 (0-0.5)	20612072819	2061210/v7110	12/10/06	2158

5A

VOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

BROMOFLUOROBENZENE (BFB)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061211/v7119 BFB Injection Date: 12/11/06

Instrument ID: MSV0 BFB Injection Time: 0741

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

Analytical Batch: 338541

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*			
50	15.0 - 40.0% of mass 95	28.35	(	)	
75	30.0 - 60.0% of mass 95	50.1	(	)	
95	Base Peak, 100% relative abundance	100	(	)	
96	5.0 -9.0% of mass 95	7.43	(	)	
173	Less than 2.0% of mass 174	0	(0	)	1
174	50.0 - 120.0% of mass 95	67.95	(	)	
175	5.0 - 9.0% of mass 174	4.69	(6.91	)	1
176	95.0 - 101.0% of mass 174	65.47	(96.36	)	1
177	5.0 - 9.0% of mass 176	4.1	(6.27	)	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	2061211/v7120	12/11/06	0829
2.	V0A9STD050	1400	2061211/v7121	12/11/06	0850
3.	LCS437444	437444	2061211/v7122	12/11/06	0912
4.	LCSD437445	437445	2061211/v7123	12/11/06	0933
5.	MB437443	437443	2061211/v7124	12/11/06	0953
6.	2WSED17-017 (0-0.5)	20612072820	2061211/v7141	12/11/06	1649

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID (Standard): 2061210/v7083 Date Analyzed: 12/10/06

Instrument ID: MSV0 Time: 1158

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

Analytical Batch: 338509

		IS 1		IS 2		IS 3	
		Area	RT	Area	RT	Area	RT
	STANDARD	256894	7.18	202597	8.75	591510	5
	EPA Sample	#	#	#	#	#	#
1.	LCS437304	253345	7.17	201895	8.75	588574	5.01
2.	2WSED5-005 (0-0.5)	234940	7.17	146755	8.75	556114	5.01
3.	2WSED6-006 (0-0.5)	235914	7.17	145113	8.75	568436	5.01
4.	2WSED9-009 (0-0.5)	246815	7.18	183780	8.75	565558	5
5.	2WSED10-010 (0-0.5)	244050	7.17	175394	8.75	555074	5.01
6.	2WSED11-011 (0-0.5)	242889	7.17	179451	8.75	550031	5.01
7.	2WSED12-012 (0-0.5)	208391	7.17	154994	8.76	485888	5.01
8.	2WSED3-003 (0-0.5)	218297	7.18	131100	8.75	517111	5
9.	2WSED3-003 (0-0.5)D	237183	7.18	157493	8.75	541165	5
10.	2WSED4-004 (0-0.5)	220938	7.18	123003	8.75	533347	5
11.	2WSED15-015 (0-0.5)	238067	7.17	156605	8.76	551652	5.01
12.	LCSD437305	244354	7.17	195198	8.75	559922	5
13.	2WSED7-007 (0-0.5)	227291	7.18	147337	8.75	529698	5
14.	2WSED13-013 (0-0.5)	251847	7.18	184868	8.75	561366	5
15.	2WSED14-014 (0-0.5)	240908	7.17	179959	8.75	554893	5.01
16.	MB437303	267427	7.17	205708	8.76	606213	5.01
17.	2WSED1-001 (0-0.5)	235020	7.17	178932	8.76	529045	5.01
18.	2WSED8-008 (0-0.5)	239081	7.18	164234	8.75	558208	5
19.	2WSED16-016 (0-0.5)	243438	7.18	170166	8.75	567240	5
20.	2WSED1-001 (0-0.5) MSD	229006	7.17	179414	8.75	513854	5
21.	2WSED1-001 (0-0.5) MS	212116	7.17	178893	8.75	541122	5.01
22.	2WSED2-002 (0-0.5)	225946	7.17	147513	8.76	523019	5.01

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL

Contract:

Lab Code: LA024 Case No.:

SAS No.: SDG No.: 206120728

Lab File ID (Standard): 2061210/v7083

Date Analyzed: 12/10/06

Instrument ID: MSV0

Time: 1158

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

Heated Purge: (Y/N) Y

Analytical Batch: 338509

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

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

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

8A

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab File ID (Standard): 2061211/v7120
Date Analyzed: 12/11/06

Instrument ID: MSV0
Time: 0829

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

Analytical Batch: 338541

	IS 1 Area		IS 1 RT		IS 2 Area		IS 2 RT		IS 3 Area		IS 3 RT	
STANDARD	258146		7.17		205514		8.76		576729		5.01	
EPA Sample		#		#		#		#		#		#
1. LCS437444	251396		7.17		200826		8.75		546955		5.01	
2. LCSD437445	260793		7.18		205273		8.75		575739		5	
3. MB437443	227349		7.17		174381		8.75		513054		5	
4. 2WSED17-017 (0-0.5)	254818		7.18		193036		8.76		587530		5.01	

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

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

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

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072801

Level: (low/med) LOW

Lab File ID: 2061210/v7090

% Moisture: not dec. 22.5

Date Collected: 12/06/06 Time: 1115

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1455

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00659	U	0.000232	0.00659
71-55-6	1,1,1-Trichloroethane	0.00659	U	0.000162	0.00659
79-34-5	1,1,2,2-Tetrachloroethane	0.00659	U	0.000237	0.00659
79-00-5	1,1,2-Trichloroethane	0.00659	U	0.000150	0.00659
75-34-3	1,1-Dichloroethane	0.00659	U	0.000209	0.00659
75-35-4	1,1-Dichloroethene	0.00659	U	0.000473	0.00659
563-58-6	1,1-Dichloropropene	0.00659	U	0.000171	0.00659
96-18-4	1,2,3-Trichloropropane	0.00263	U	0.000323	0.00263
120-82-1	1,2,4-Trichlorobenzene	0.00659	U	0.000431	0.00659
95-63-6	1,2,4-Trimethylbenzene	0.00659	U	0.000261	0.00659
96-12-8	1,2-Dibromo-3-chloropropane	0.00659	U	0.00114	0.00659
106-93-4	1,2-Dibromoethane	0.00659	U	0.000198	0.00659
95-50-1	1,2-Dichlorobenzene	0.00659	U	0.000150	0.00659
107-06-2	1,2-Dichloroethane	0.00659	U	0.000150	0.00659
78-87-5	1,2-Dichloropropane	0.00659	U	0.000148	0.00659
108-67-8	1,3,5-Trimethylbenzene	0.00659	U	0.000215	0.00659
541-73-1	1,3-Dichlorobenzene	0.00659	U	0.000311	0.00659
142-28-9	1,3-Dichloropropane	0.00659	U	0.000179	0.00659
106-46-7	1,4-Dichlorobenzene	0.00659	U	0.000555	0.00659
594-20-7	2,2-Dichloropropane	0.00659	U	0.000232	0.00659
78-93-3	2-Butanone	0.00230	JB	0.000411	0.00659
110-75-8	2-Chloroethylvinyl ether	0.00659	U	0.00277	0.00659
95-49-8	2-Chlorotoluene	0.00659	U	0.000198	0.00659
591-78-6	2-Hexanone	0.00659	U	0.00109	0.00659
106-43-4	4-Chlorotoluene	0.00659	U	0.000428	0.00659
99-87-6	4-Isopropyltoluene	0.00659	U	0.000212	0.00659
108-10-1	4-Methyl-2-pentanone	0.00659	U	0.000228	0.00659
67-64-1	Acetone	0.037	B	0.000493	0.033
107-02-8	Acrolein	0.033	U	0.00308	0.033
107-13-1	Acrylonitrile	0.033	U	0.000938	0.033
71-43-2	Benzene	0.00659	U	0.000137	0.00659

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072801

Level: (low/med) LOW

Lab File ID: 2061210/v7090

% Moisture: not dec. 22.5

Date Collected: 12/06/06 Time: 1115

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1455

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00659	U	0.000310	0.00659
75-27-4	Bromodichloromethane	0.00659	U	0.000178	0.00659
75-25-2	Bromoform	0.00659	U	0.000223	0.00659
74-83-9	Bromomethane	0.00659	U	0.00198	0.00659
104-51-8	n-Butylbenzene	0.00659	U	0.000234	0.00659
75-15-0	Carbon disulfide	0.00659	U	0.000144	0.00659
56-23-5	Carbon tetrachloride	0.00659	U	0.000158	0.00659
108-90-7	Chlorobenzene	0.00659	U	0.000217	0.00659
75-00-3	Chloroethane	0.00659	U	0.000798	0.00659
67-66-3	Chloroform	0.00659	U	0.000186	0.00659
74-87-3	Chloromethane	0.00659	U	0.000611	0.00659
110-82-7	Cyclohexane	0.00659	U	0.00146	0.00659
124-48-1	Dibromochloromethane	0.00659	U	0.000119	0.00659
74-95-3	Dibromomethane	0.00659	U	0.000206	0.00659
75-71-8	Dichlorodifluoromethane	0.00659	U	0.000480	0.00659
10061-01-5	cis-1,3-Dichloropropene	0.00659	U	0.000151	0.00659
10061-02-6	trans-1,3-Dichloropropene	0.00659	U	0.000186	0.00659
100-41-4	Ethylbenzene	0.00659	U	0.000273	0.00659
87-68-3	Hexachlorobutadiene	0.00659	U	0.00164	0.00659
98-82-8	Isopropylbenzene (Cumene)	0.00659	U	0.000202	0.00659
79-20-9	Methyl Acetate	0.00659	U	0.00201	0.00659
74-88-4	Methyl iodide	0.00659	U	0.00119	0.00659
108-87-2	Methylcyclohexane	0.00659	U	0.000487	0.00659
75-09-2	Methylene chloride	0.00145	JB	0.000631	0.013
91-20-3	Naphthalene	0.00659	U	0.000495	0.00659
100-42-5	Styrene	0.00659	U	0.000200	0.00659
127-18-4	Tetrachloroethene	0.00659	U	0.000253	0.00659
108-88-3	Toluene	0.00659	U	0.000725	0.00659
79-01-6	Trichloroethene	0.00659	U	0.000233	0.00659
75-69-4	Trichlorofluoromethane	0.00659	U	0.000332	0.00659
76-13-1	Trichlorotrifluoroethane	0.00659	U	0.000248	0.00659
108-05-4	Vinyl acetate	0.00659	U	0.00129	0.00659

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072801

Level: (low/med) LOW

Lab File ID: 2061210/v7090

% Moisture: not dec. 22.5

Date Collected: 12/06/06 Time: 1115

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1455

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00659	U	0.000462	0.00659
1330-20-7	Xylene (total)	0.013	U	0.000754	0.013
156-59-2	cis-1,2-Dichloroethene	0.00659	U	0.000166	0.00659
136777-61-	m,p-Xylene	0.00659	U	0.000524	0.00659
71-36-3	n-Butyl alcohol	0.033	U	0.00132	0.033
103-65-1	n-Propylbenzene	0.00659	U	0.000184	0.00659
95-47-6	o-Xylene	0.00659	U	0.000229	0.00659
135-98-8	sec-Butylbenzene	0.00659	U	0.000154	0.00659
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00659	U	0.000097	0.00659
98-06-6	tert-Butylbenzene	0.00659	U	0.000332	0.00659
156-60-5	trans-1,2-Dichloroethene	0.00659	U	0.000216	0.00659
110-57-6	trans-1,4-Dichloro-2-butene	0.00659	U	0.000950	0.00659

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7090.d
Lab Smp Id: 20612072801 Client Smp ID: SWSED1-001 (0-0.5)
Inj Date : 10-DEC-2006 14:55
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072801*SWSED1-001 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.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/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	4.90000	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	2.768	2.765	(0.553)	3011	1.09584	1.12	4669
	12 Acetone	43	2.868	2.865	(0.573)	73716	27.8707	28.4	8630
$	41 Dibromofluoromethane	111	4.384	4.388	(0.876)	177735	46.3777	47.3	5431
	31 2-Butanone	43	4.517	4.514	(0.902)	14794	1.74333	1.78	
$	47 1,2-Dichloroethane-d4	67	4.795	4.792	(0.958)	107696	46.7792	47.7	9533
*	49 FLUOROBENZENE	96	5.007	5.004	(1.000)	529045	50.0000		9834
$	67 Toluene-d8	98	6.126	6.123	(0.854)	488041	43.7637	44.7	9803
*	85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	235020	50.0000		2827
$	98 Bromofluorobenzene	174	7.994	7.991	(1.114)	136371	44.6543	45.6	9083
*	115 1,4-DICHLOROBENZENE-D4	152	8.755	8.753	(1.000)	178932	50.0000		3573

034087

Data File: /var/chem/msv0.i/2061210.b/v7090.d

Page 1

Date : 10-DEC-2006 14:55

Client ID: SWSED1-001 (0-0.5)

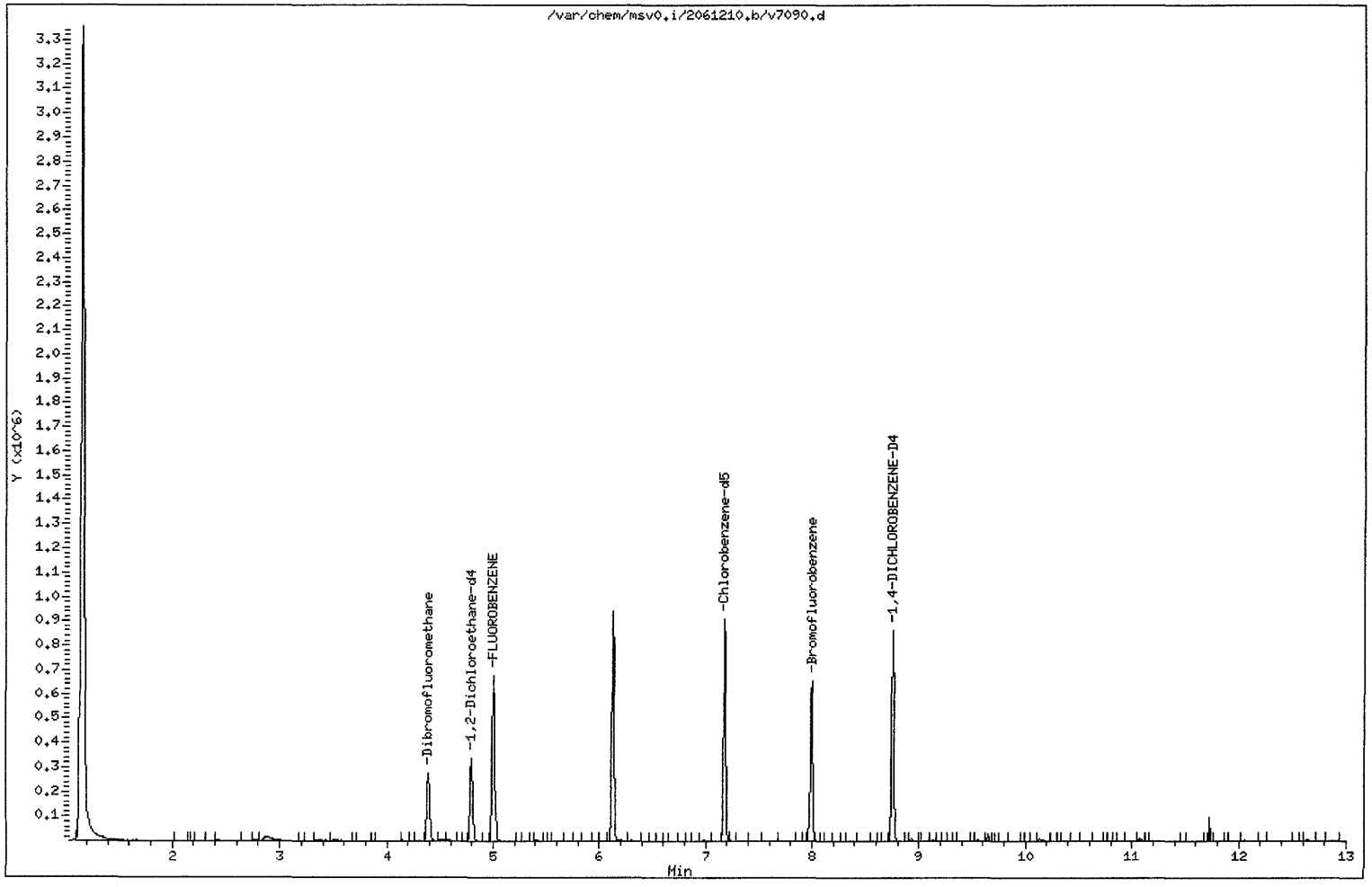
Instrument: msv0.i

Sample Info: 20612072801*SWSED1-001 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7090.d

Date : 10-DEC-2006 14:55

Client ID: SWSED1-001 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072801*SWSED1-001 (0-0.5)

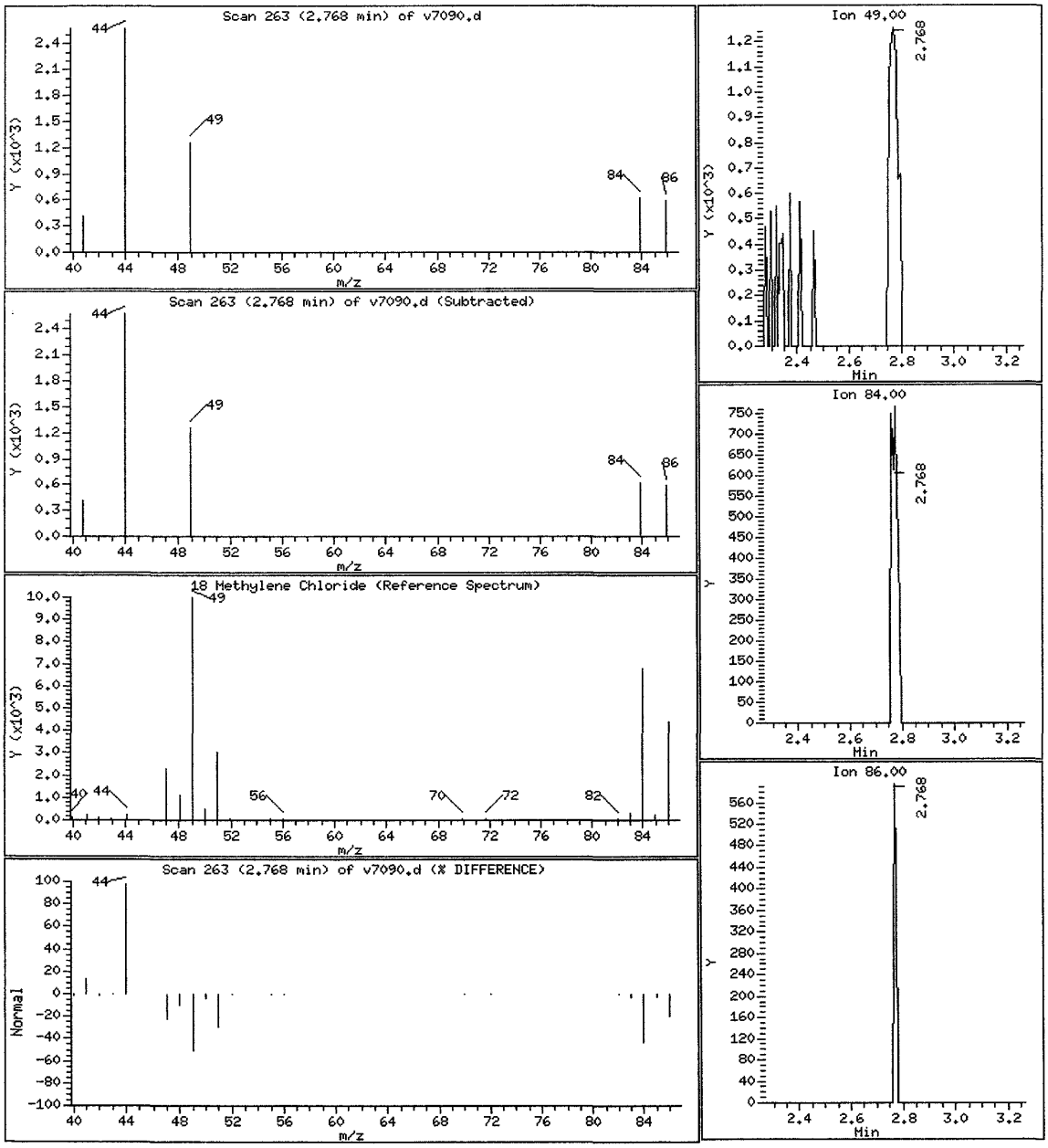
Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

18 Methylene Chloride

Concentration: 1.12 ug/Kg



Data File: /var/chem/msv0.i/2061210.b/v7090.d

Date : 10-DEC-2006 14:55

Client ID: SWSED1-001 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072801*SWSED1-001 (0-0.5)

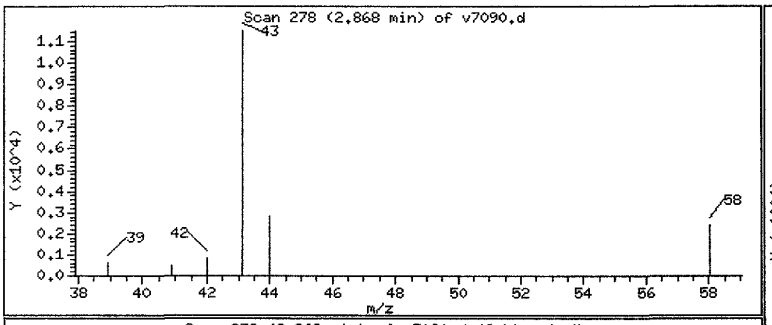
Operator: KCB

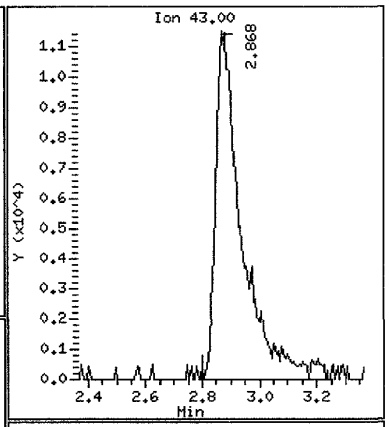
Column phase: DB-624-30M

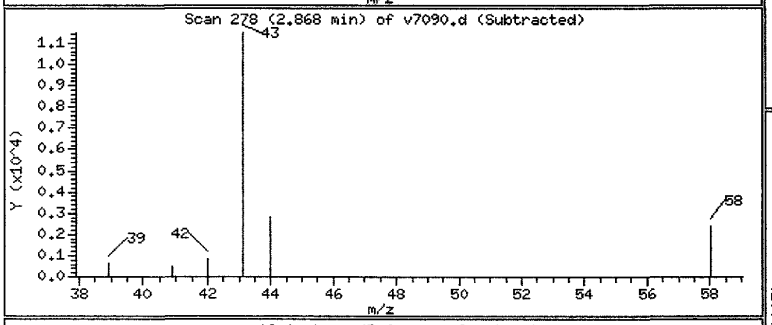
Column diameter: 0.53

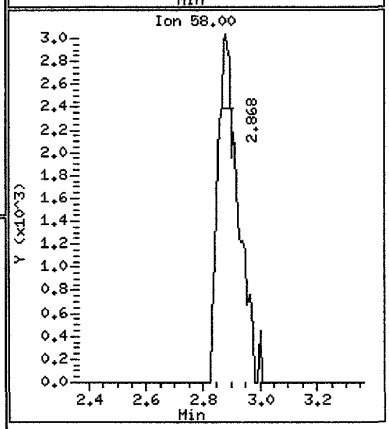
12 Acetone

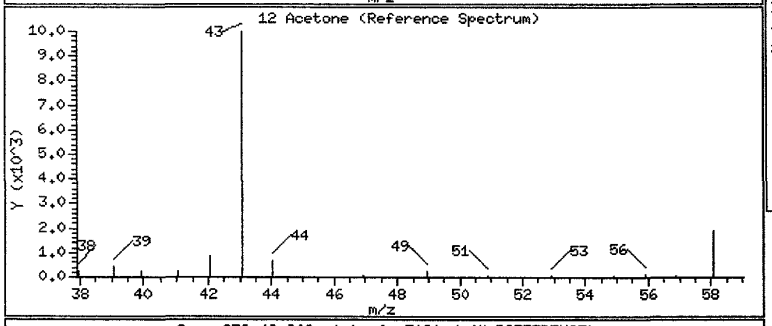
Concentration: 28.4 ug/Kg

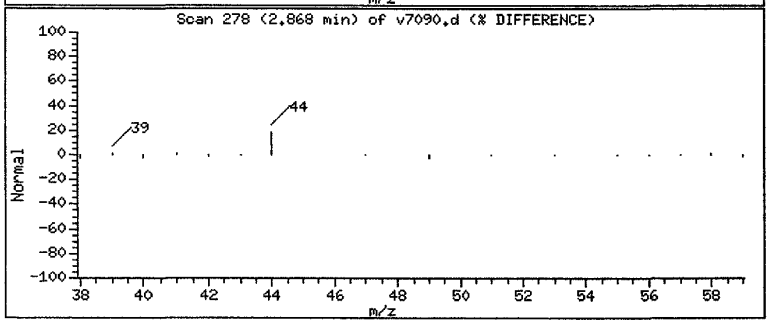












000034

034090

Data File: /var/chem/msv0.i/2061210.b/v7090.d

Date : 10-DEC-2006 14:55

Client ID: SWSED1-001 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072801*SWSED1-001 (0-0.5)

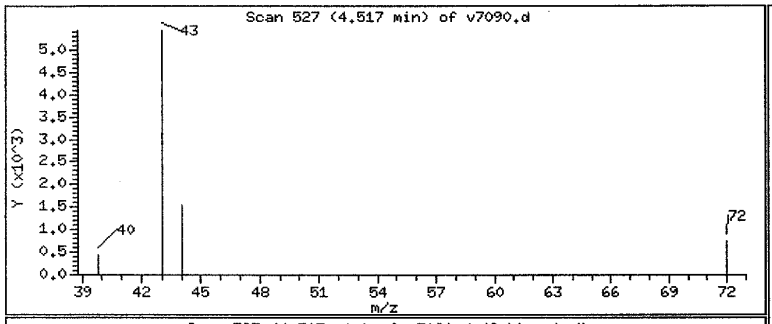
Operator: KCB

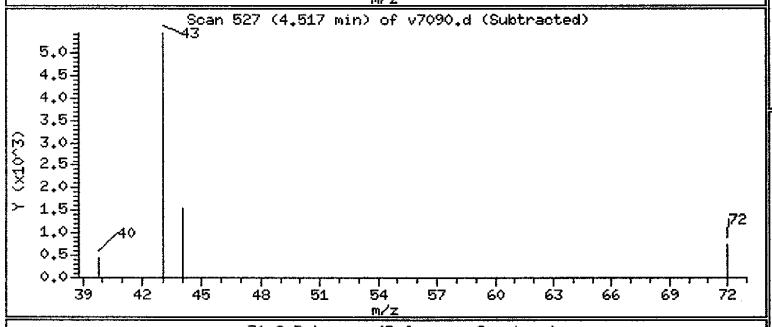
Column phase: DB-624-30M

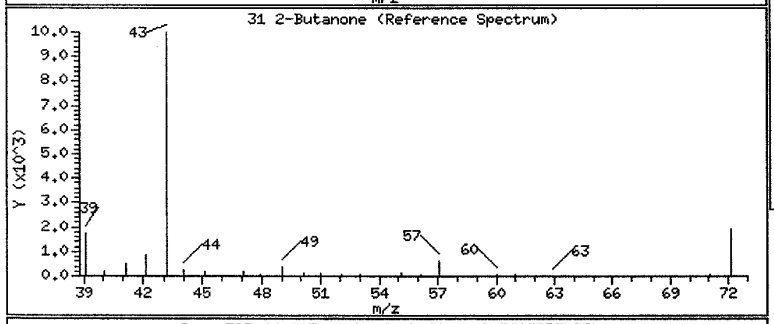
Column diameter: 0.53

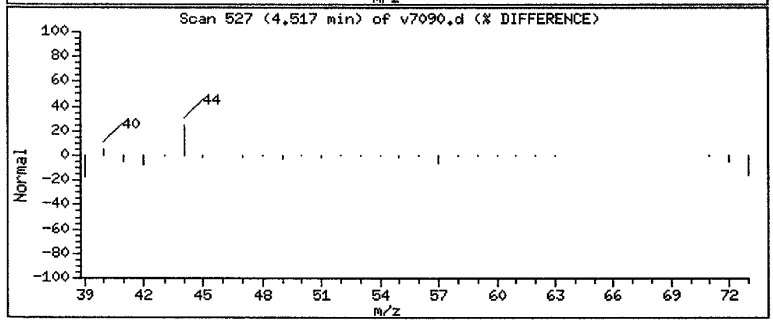
31 2-Butanone

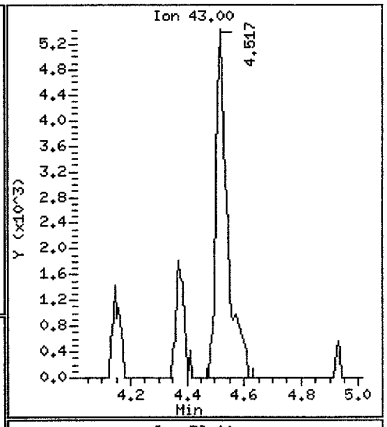
Concentration: 1.78 ug/Kg

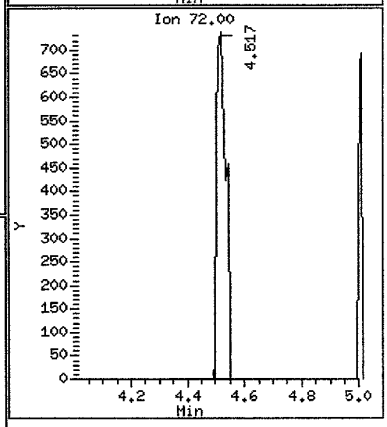








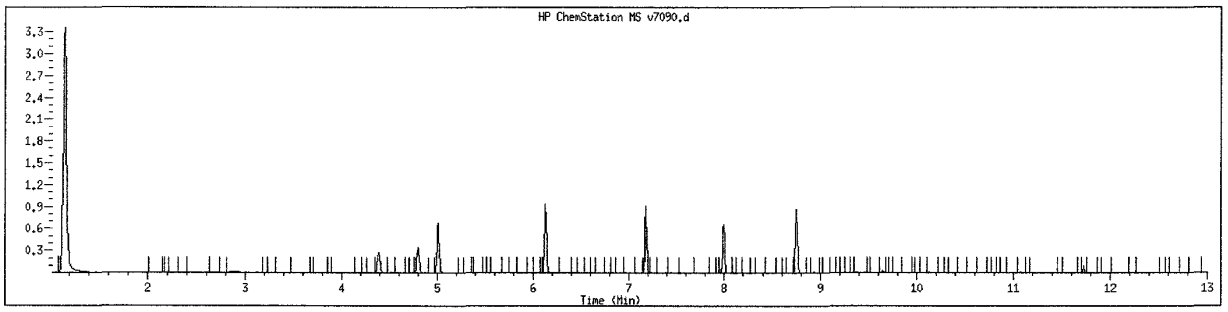




Data file : /var/chem/msv0.i/2061210.b/v7090.d Page: 1
Report Date: 12/10/2006 15:18

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072801 SampleType : SAMPLE
Injection Date: 10-DEC-2006 14:55 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072801*SWSED1-001 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED8-008 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 32.0

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072802

Lab File ID: 2061210/v7091

Date Collected: 12/06/06 Time: 1015

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1516

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00735	U	0.000259	0.00735
71-55-6	1,1,1-Trichloroethane	0.00735	U	0.000181	0.00735
79-34-5	1,1,2,2-Tetrachloroethane	0.00735	U	0.000265	0.00735
79-00-5	1,1,2-Trichloroethane	0.00735	U	0.000168	0.00735
75-34-3	1,1-Dichloroethane	0.00735	U	0.000234	0.00735
75-35-4	1,1-Dichloroethene	0.00735	U	0.000528	0.00735
563-58-6	1,1-Dichloropropene	0.00735	U	0.000191	0.00735
96-18-4	1,2,3-Trichloropropane	0.00294	U	0.000360	0.00294
120-82-1	1,2,4-Trichlorobenzene	0.00735	U	0.000481	0.00735
95-63-6	1,2,4-Trimethylbenzene	0.00735	U	0.000291	0.00735
96-12-8	1,2-Dibromo-3-chloropropane	0.00735	U	0.00127	0.00735
106-93-4	1,2-Dibromoethane	0.00735	U	0.000221	0.00735
95-50-1	1,2-Dichlorobenzene	0.00735	U	0.000168	0.00735
107-06-2	1,2-Dichloroethane	0.00735	U	0.000168	0.00735
78-87-5	1,2-Dichloropropane	0.00735	U	0.000165	0.00735
108-67-8	1,3,5-Trimethylbenzene	0.00735	U	0.000240	0.00735
541-73-1	1,3-Dichlorobenzene	0.00735	U	0.000347	0.00735
142-28-9	1,3-Dichloropropane	0.00735	U	0.000200	0.00735
106-46-7	1,4-Dichlorobenzene	0.00735	U	0.000619	0.00735
594-20-7	2,2-Dichloropropane	0.00735	U	0.000259	0.00735
78-93-3	2-Butanone	0.00190	JB	0.000459	0.00735
110-75-8	2-Chloroethylvinyl ether	0.00735	U	0.00309	0.00735
95-49-8	2-Chlorotoluene	0.00735	U	0.000221	0.00735
591-78-6	2-Hexanone	0.00735	U	0.00121	0.00735
106-43-4	4-Chlorotoluene	0.00735	U	0.000478	0.00735
99-87-6	4-Isopropyltoluene	0.00735	U	0.000237	0.00735
108-10-1	4-Methyl-2-pentanone	0.00735	U	0.000254	0.00735
67-64-1	Acetone	0.014	JB	0.000550	0.037
107-02-8	Acrolein	0.037	U	0.00344	0.037
107-13-1	Acrylonitrile	0.037	U	0.00105	0.037
71-43-2	Benzene	0.00735	U	0.000153	0.00735

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED8-008 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Level: (low/med) LOW

% Moisture: not dec. 32.0

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072802

Lab File ID: 2061210/v7091

Date Collected: 12/06/06 Time: 1015

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1516

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00735	U	0.000345	0.00735
75-27-4	Bromodichloromethane	0.00735	U	0.000198	0.00735
75-25-2	Bromoform	0.00735	U	0.000248	0.00735
74-83-9	Bromomethane	0.00735	U	0.00221	0.00735
104-51-8	n-Butylbenzene	0.00735	U	0.000262	0.00735
75-15-0	Carbon disulfide	0.00735	U	0.000160	0.00735
56-23-5	Carbon tetrachloride	0.00735	U	0.000176	0.00735
108-90-7	Chlorobenzene	0.00735	U	0.000243	0.00735
75-00-3	Chloroethane	0.00735	U	0.000891	0.00735
67-66-3	Chloroform	0.00735	U	0.000207	0.00735
74-87-3	Chloromethane	0.00735	U	0.000682	0.00735
110-82-7	Cyclohexane	0.00735	U	0.00163	0.00735
124-48-1	Dibromochloromethane	0.00735	U	0.000132	0.00735
74-95-3	Dibromomethane	0.00735	U	0.000229	0.00735
75-71-8	Dichlorodifluoromethane	0.00735	U	0.000535	0.00735
10061-01-5	cis-1,3-Dichloropropene	0.00735	U	0.000169	0.00735
10061-02-6	trans-1,3-Dichloropropene	0.00735	U	0.000207	0.00735
100-41-4	Ethylbenzene	0.00735	U	0.000304	0.00735
87-68-3	Hexachlorobutadiene	0.00735	U	0.00183	0.00735
98-82-8	Isopropylbenzene (Cumene)	0.00735	U	0.000225	0.00735
79-20-9	Methyl Acetate	0.00735	U	0.00225	0.00735
74-88-4	Methyl iodide	0.00735	U	0.00133	0.00735
108-87-2	Methylcyclohexane	0.00735	U	0.000544	0.00735
75-09-2	Methylene chloride	0.015	U	0.000704	0.015
91-20-3	Naphthalene	0.00735	U	0.000553	0.00735
100-42-5	Styrene	0.00735	U	0.000223	0.00735
127-18-4	Tetrachloroethene	0.00735	U	0.000282	0.00735
108-88-3	Toluene	0.00735	U	0.000809	0.00735
79-01-6	Trichloroethene	0.00735	U	0.000260	0.00735
75-69-4	Trichlorofluoromethane	0.00735	U	0.000370	0.00735
76-13-1	Trichlorotrifluoroethane	0.00735	U	0.000276	0.00735
108-05-4	Vinyl acetate	0.00735	U	0.00144	0.00735

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED8-008 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 20612072802

Level: (low/med) LOW

Lab File ID: 2061210/v7091

% Moisture: not dec. 32.0

Date Collected: 12/06/06 Time: 1015

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1516

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00735	U	0.000516	0.00735
1330-20-7	Xylene (total)	0.015	U	0.000841	0.015
156-59-2	cis-1,2-Dichloroethene	0.00735	U	0.000185	0.00735
136777-61-	m,p-Xylene	0.00735	U	0.000585	0.00735
71-36-3	n-Butyl alcohol	0.037	U	0.00147	0.037
103-65-1	n-Propylbenzene	0.00735	U	0.000206	0.00735
95-47-6	o-Xylene	0.00735	U	0.000256	0.00735
135-98-8	sec-Butylbenzene	0.00735	U	0.000172	0.00735
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00735	U	0.000109	0.00735
98-06-6	tert-Butylbenzene	0.00735	U	0.000370	0.00735
156-60-5	trans-1,2-Dichloroethene	0.00735	U	0.000241	0.00735
110-57-6	trans-1,4-Dichloro-2-butene	0.00735	U	0.00106	0.00735

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7091.d
Lab Smp Id: 20612072802 Client Smp ID: SWSED8-008 (0-0.5)
Inj Date : 10-DEC-2006 15:16
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072802*SWSED8-008 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 11
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	12 Acetone	43	2.884	2.865	(0.576)	32173	9.74918	9.75	7233
$	41 Dibromofluoromethane	111	4.388	4.388	(0.877)	176600	43.6741	43.7	5432
	31 2-Butanone	43	4.520	4.514	(0.903)	11575	1.29274	1.29	
$	47 1,2-Dichloroethane-d4	67	4.799	4.792	(0.959)	108835	44.8042	44.8	9575
*	49 FLUOROBENZENE	96	5.004	5.004	(1.000)	558208	50.0000		9797
$	67 Toluene-d8	98	6.130	6.123	(0.854)	492450	43.4090	43.4	9885
*	85 Chlorobenzene-d5	82	7.176	7.176	(1.000)	239081	50.0000		2791
$	98 Bromofluorobenzene	174	7.991	7.991	(1.114)	129420	41.6584	41.7	8988
*	115 1,4-DICHLOROBENZENE-D4	152	8.752	8.753	(1.000)	164234	50.0000		3584

Data File: /var/chem/msv0.i/2061210.b/v7091.d

Page 1

Date : 10-DEC-2006 15:16

Client ID: SWSED8-008 (0-0.5)

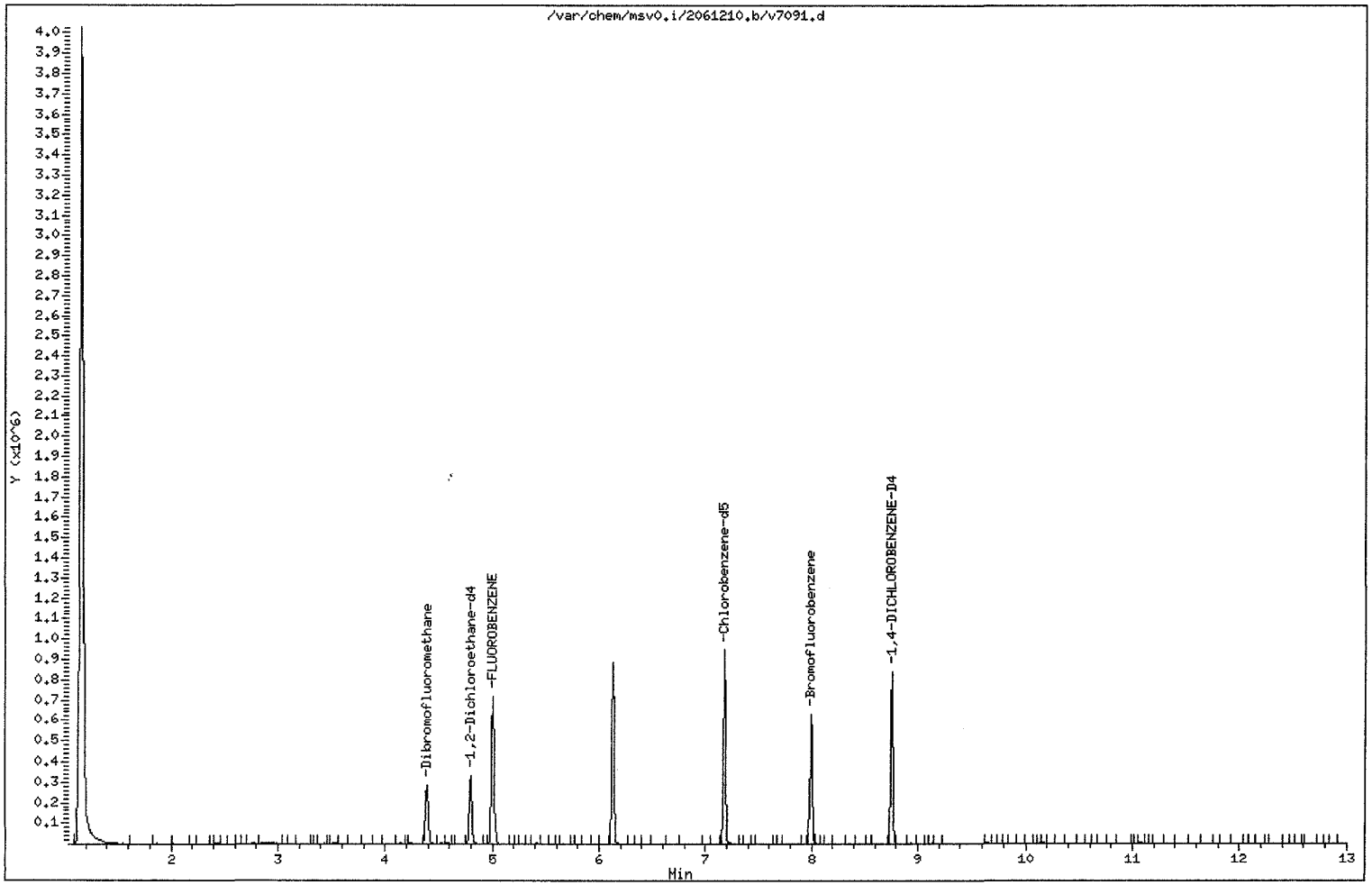
Instrument: msv0.i

Sample Info: 20612072802*SWSED8-008 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7091.d

Date : 10-DEC-2006 15:16

Client ID: SWSED8-008 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072802*SWSED8-008 (0-0.5)

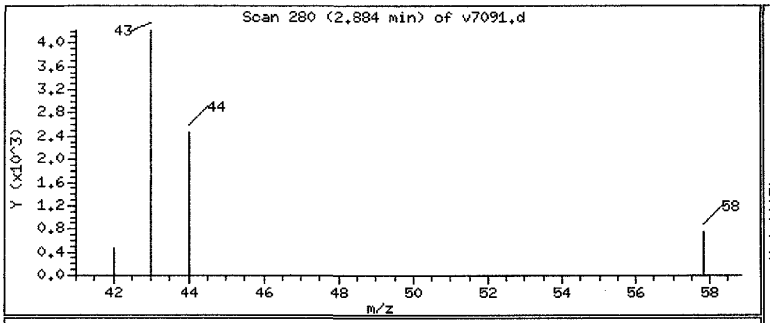
Operator: KCB

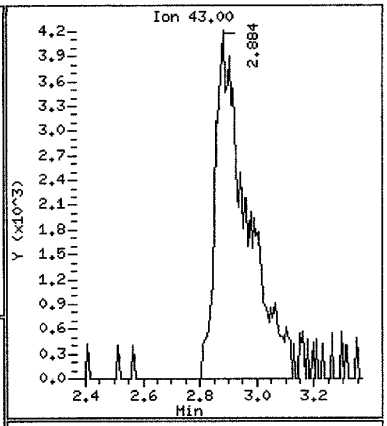
Column phase: DB-624-30M

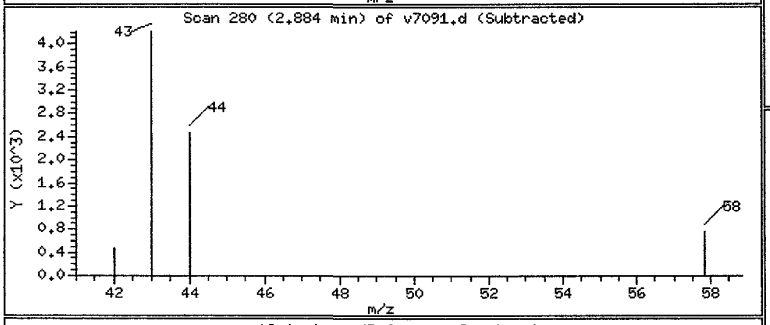
Column diameter: 0.53

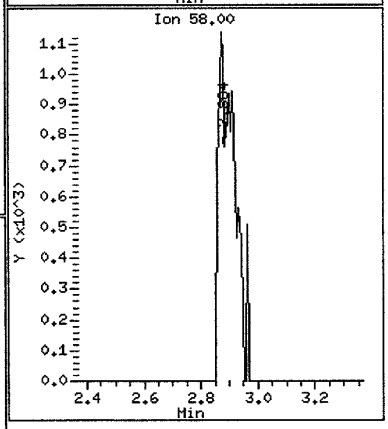
12 Acetone

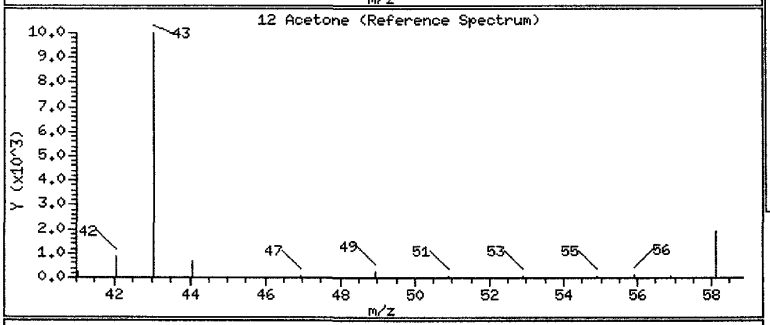
Concentration: 9.75 ug/Kg

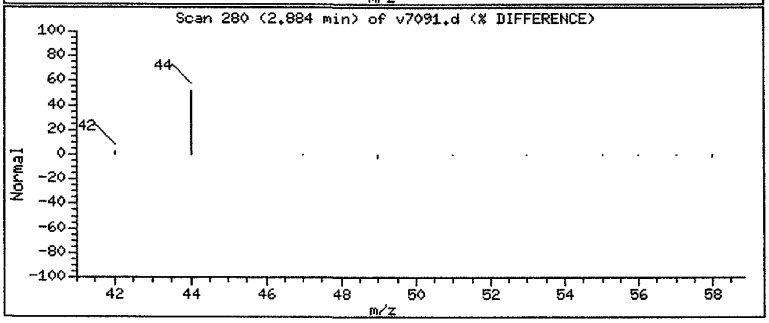












000942

034098

Data File: /var/chem/msv0.i/2061210.b/v7091.d

Date : 10-DEC-2006 15:16

Client ID: SWSED8-008 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072802*SWSED8-008 (0-0.5)

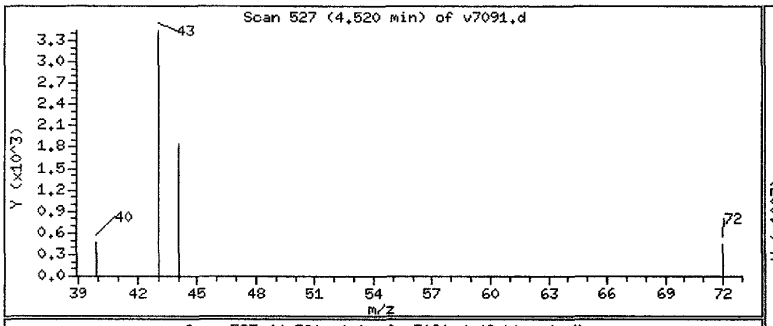
Operator: KCB

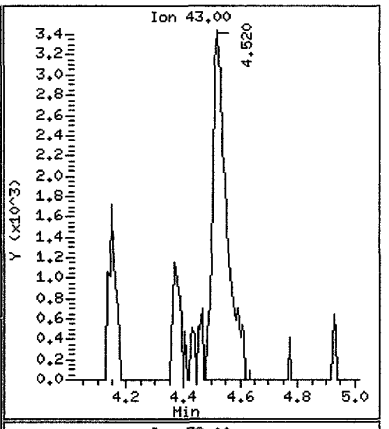
Column phase: DB-624-30M

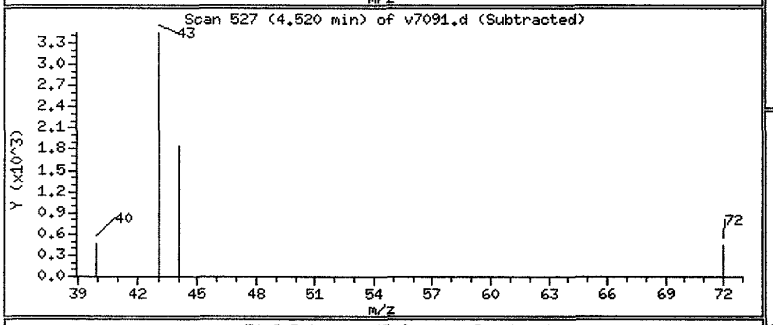
Column diameter: 0.53

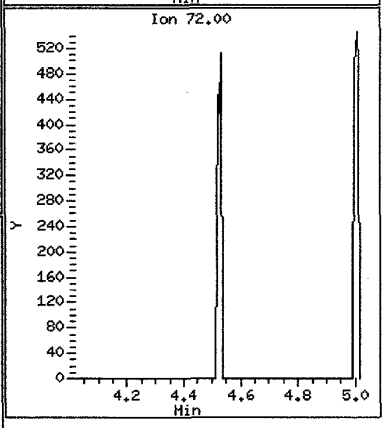
31 2-Butanone

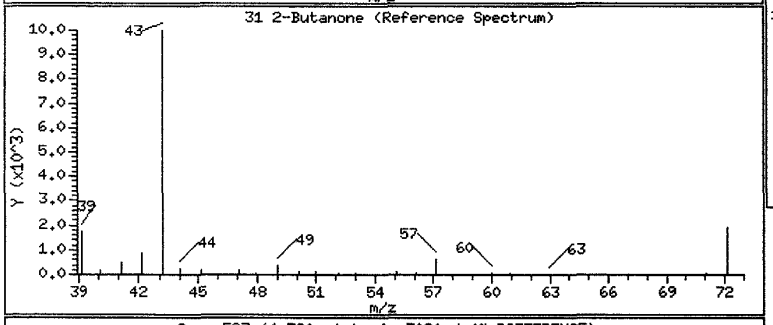
Concentration: 1.29 ug/Kg

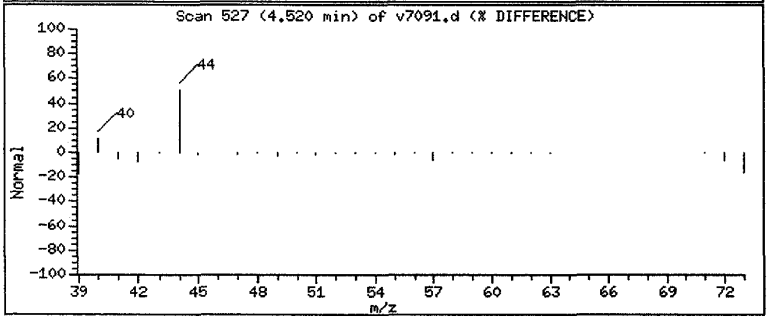








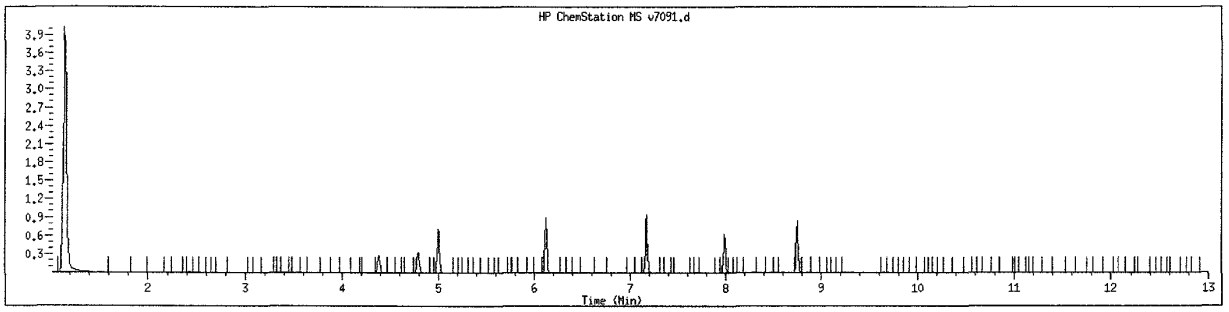




Data file : /var/chem/msv0.i/2061210.b/v7091.d Page: 1
Report Date: 12/10/2006 15:48

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072802 SampleType : SAMPLE
Injection Date: 10-DEC-2006 15:16 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072802*SWSED8-008 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000044

034100

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED16-016 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Lab Sample ID: 20612072803

Level: (low/med) LOW

Lab File ID: 2061210/v7092

% Moisture: not dec. 45.5

Date Collected: 12/06/06 Time: 1030

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1536

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00916	U	0.000322	0.00916
71-55-6	1,1,1-Trichloroethane	0.00916	U	0.000225	0.00916
79-34-5	1,1,2,2-Tetrachloroethane	0.00916	U	0.000330	0.00916
79-00-5	1,1,2-Trichloroethane	0.00916	U	0.000209	0.00916
75-34-3	1,1-Dichloroethane	0.00916	U	0.000291	0.00916
75-35-4	1,1-Dichloroethene	0.00250	J	0.000658	0.00916
563-58-6	1,1-Dichloropropene	0.00916	U	0.000238	0.00916
96-18-4	1,2,3-Trichloropropane	0.00366	U	0.000449	0.00366
120-82-1	1,2,4-Trichlorobenzene	0.00916	U	0.000599	0.00916
95-63-6	1,2,4-Trimethylbenzene	0.00916	U	0.000363	0.00916
96-12-8	1,2-Dibromo-3-chloropropane	0.00916	U	0.00159	0.00916
106-93-4	1,2-Dibromoethane	0.00916	U	0.000275	0.00916
95-50-1	1,2-Dichlorobenzene	0.00916	U	0.000209	0.00916
107-06-2	1,2-Dichloroethane	0.00916	U	0.000209	0.00916
78-87-5	1,2-Dichloropropane	0.00916	U	0.000205	0.00916
108-67-8	1,3,5-Trimethylbenzene	0.00916	U	0.000299	0.00916
541-73-1	1,3-Dichlorobenzene	0.00916	U	0.000432	0.00916
142-28-9	1,3-Dichloropropane	0.00916	U	0.000249	0.00916
106-46-7	1,4-Dichlorobenzene	0.00916	U	0.000771	0.00916
594-20-7	2,2-Dichloropropane	0.00916	U	0.000322	0.00916
78-93-3	2-Butanone	0.00984	B	0.000572	0.00916
110-75-8	2-Chloroethylvinyl ether	0.00916	U	0.00385	0.00916
95-49-8	2-Chlorotoluene	0.00916	U	0.000275	0.00916
591-78-6	2-Hexanone	0.00916	U	0.00151	0.00916
106-43-4	4-Chlorotoluene	0.00916	U	0.000595	0.00916
99-87-6	4-Isopropyltoluene	0.00916	U	0.000295	0.00916
108-10-1	4-Methyl-2-pentanone	0.00916	U	0.000317	0.00916
67-64-1	Acetone	0.052	B	0.000685	0.046
107-02-8	Acrolein	0.046	U	0.00429	0.046
107-13-1	Acrylonitrile	0.046	U	0.00130	0.046
71-43-2	Benzene	0.00916	U	0.000191	0.00916

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED16-016 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 45.5

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072803

Lab File ID: 2061210/v7092

Date Collected: 12/06/06 Time: 1030

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1536

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00916	U	0.000431	0.00916
75-27-4	Bromodichloromethane	0.00916	U	0.000247	0.00916
75-25-2	Bromoform	0.00916	U	0.000310	0.00916
74-83-9	Bromomethane	0.00916	U	0.00276	0.00916
104-51-8	n-Butylbenzene	0.00916	U	0.000326	0.00916
75-15-0	Carbon disulfide	0.00916	U	0.000200	0.00916
56-23-5	Carbon tetrachloride	0.00916	U	0.000220	0.00916
108-90-7	Chlorobenzene	0.00916	U	0.000302	0.00916
75-00-3	Chloroethane	0.00916	U	0.00111	0.00916
67-66-3	Chloroform	0.00916	U	0.000258	0.00916
74-87-3	Chloromethane	0.00916	U	0.000850	0.00916
110-82-7	Cyclohexane	0.00916	U	0.00203	0.00916
124-48-1	Dibromochloromethane	0.00916	U	0.000165	0.00916
74-95-3	Dibromomethane	0.00916	U	0.000286	0.00916
75-71-8	Dichlorodifluoromethane	0.00916	U	0.000667	0.00916
10061-01-5	cis-1,3-Dichloropropene	0.00916	U	0.000211	0.00916
10061-02-6	trans-1,3-Dichloropropene	0.00916	U	0.000258	0.00916
100-41-4	Ethylbenzene	0.00916	U	0.000379	0.00916
87-68-3	Hexachlorobutadiene	0.00916	U	0.00228	0.00916
98-82-8	Isopropylbenzene (Cumene)	0.00916	U	0.000280	0.00916
79-20-9	Methyl Acetate	0.00916	U	0.00280	0.00916
74-88-4	Methyl iodide	0.00916	U	0.00166	0.00916
108-87-2	Methylcyclohexane	0.00916	U	0.000678	0.00916
75-09-2	Methylene chloride	0.00206	JB	0.000878	0.018
91-20-3	Naphthalene	0.00916	U	0.000689	0.00916
100-42-5	Styrene	0.00916	U	0.000278	0.00916
127-18-4	Tetrachloroethene	0.00846	J	0.000352	0.00916
108-88-3	Toluene	0.00916	U	0.00101	0.00916
79-01-6	Trichloroethene	0.00916	U	0.000324	0.00916
75-69-4	Trichlorofluoromethane	0.00916	U	0.000462	0.00916
76-13-1	Trichlorotrifluoroethane	0.00916	U	0.000344	0.00916
108-05-4	Vinyl acetate	0.00916	U	0.00179	0.00916

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED16-016 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Lab Sample ID: 20612072803

Level: (low/med) LOW

Lab File ID: 2061210/v7092

% Moisture: not dec. 45.5

Date Collected: 12/06/06 Time: 1030

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1536

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00916	U	0.000643	0.00916
1330-20-7	Xylene (total)	0.018	U	0.00105	0.018
156-59-2	cis-1,2-Dichloroethene	0.00404	J	0.000231	0.00916
136777-61-	m,p-Xylene	0.00916	U	0.000729	0.00916
71-36-3	n-Butyl alcohol	0.046	U	0.00183	0.046
103-65-1	n-Propylbenzene	0.00916	U	0.000257	0.00916
95-47-6	o-Xylene	0.00916	U	0.000319	0.00916
135-98-8	sec-Butylbenzene	0.00916	U	0.000214	0.00916
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00916	U	0.000136	0.00916
98-06-6	tert-Butylbenzene	0.00916	U	0.000462	0.00916
156-60-5	trans-1,2-Dichloroethene	0.00916	U	0.000300	0.00916
110-57-6	trans-1,4-Dichloro-2-butene	0.00916	U	0.00132	0.00916

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7092.d
Lab Smp Id: 20612072803 Client Smp ID: SWSED16-016 (0-0.5)
Inj Date : 10-DEC-2006 15:36
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072803*SWSED16-016 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 12
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.01000	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
	11 1,1-Dichloroethene +	96	2.255	2.255	(0.451)	1428	1.36082	1.36	3024
	18 Methylene Chloride	49	2.765	2.765	(0.553)	3299	1.11981	1.12	5804
	12 Acetone	43	2.877	2.865	(0.575)	79827	28.2050	28.1	8548
	30 cis-1,2-Dichloroethene	61	4.003	4.004	(0.800)	10702	2.20900	2.20	8692
$	41 Dibromofluoromethane	111	4.388	4.388	(0.877)	187309	45.5849	45.5	5431
	31 2-Butanone	43	4.520	4.514	(0.903)	48852	5.36911	5.36	
$	47 1,2-Dichloroethane-d4	67	4.798	4.792	(0.959)	112399	45.5346	45.4	9609
*	49 FLUOROBENZENE	96	5.003	5.004	(1.000)	567240	50.0000		9774
$	67 Toluene-d8	98	6.129	6.123	(0.854)	511937	44.3191	44.2	9842
	78 Tetrachloroethene	164	6.427	6.421	(0.896)	10141	4.62285	4.61	4677
*	85 Chlorobenzene-d5	82	7.176	7.176	(1.000)	243438	50.0000		2831
M	75 Total 1,2-Dichloroethene	61				10702	2.20900	2.20	0
$	98 Bromofluorobenzene	174	7.990	7.991	(1.114)	133452	42.1874	42.1	8949

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
* 115 1,4-DICHLOROBENZENE-D4	152	8.752	8.753	(1.000)	170166	50.0000		3574

000050

Data File: /var/chem/msv0.i/2061210.b/v7092.d

Page 1

Date : 10-DEC-2006 15:36

Client ID: SWSED16-016 (0-0.5)

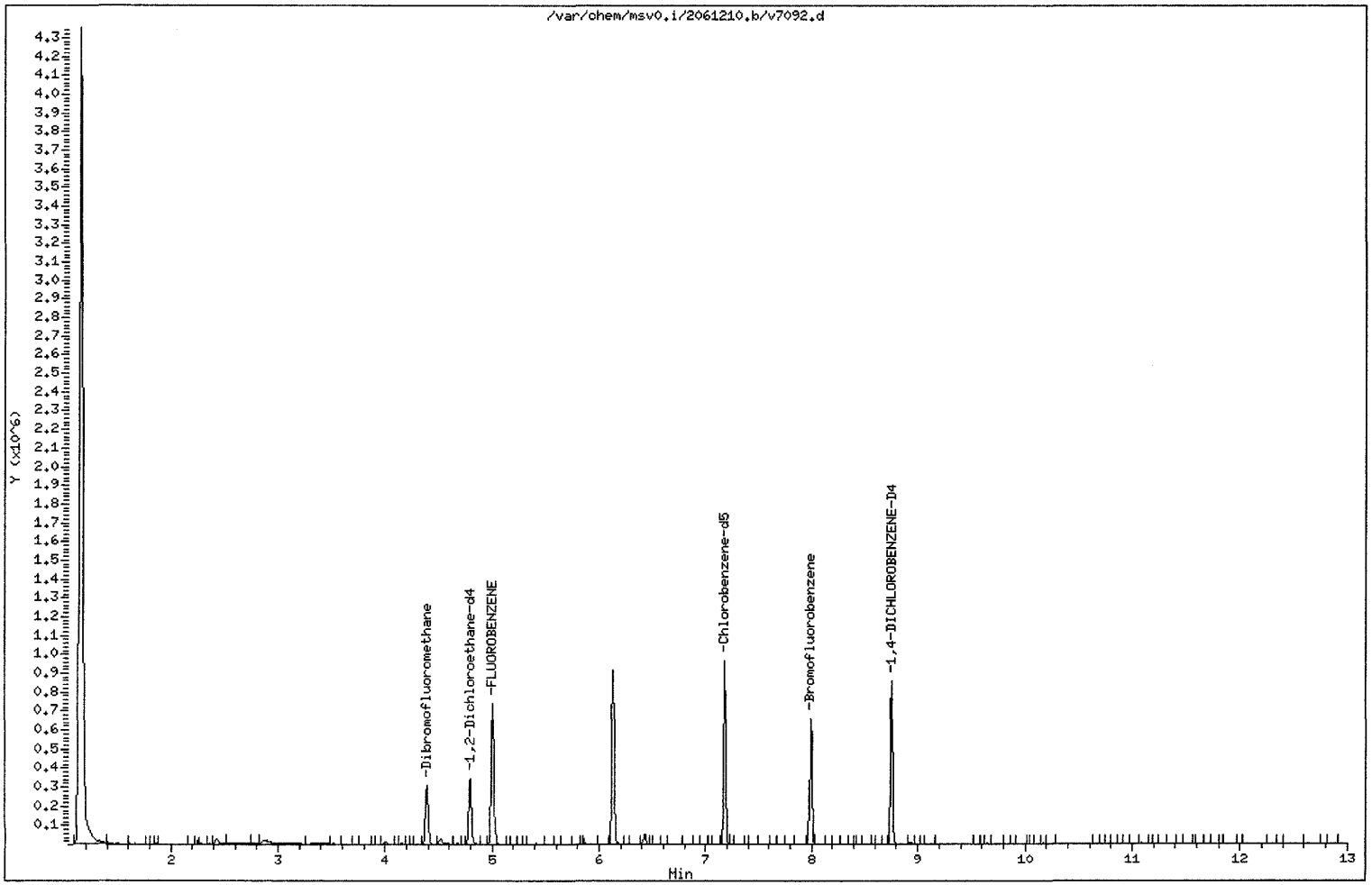
Instrument: msv0.i

Sample Info: 20612072803*SWSED16-016 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



034106

Data File: /var/chem/msv0.i/2061210.b/v7092.d

Date : 10-DEC-2006 15:36

Client ID: SWSED16-016 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072803*SWSED16-016 (0-0.5)

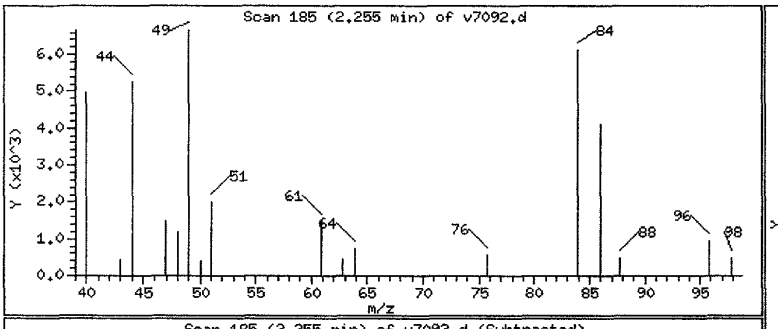
Operator: KCB

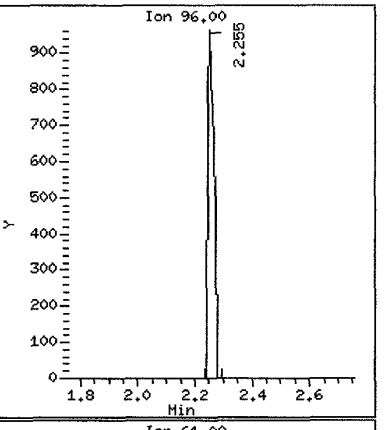
Column phase: DB-624-30M

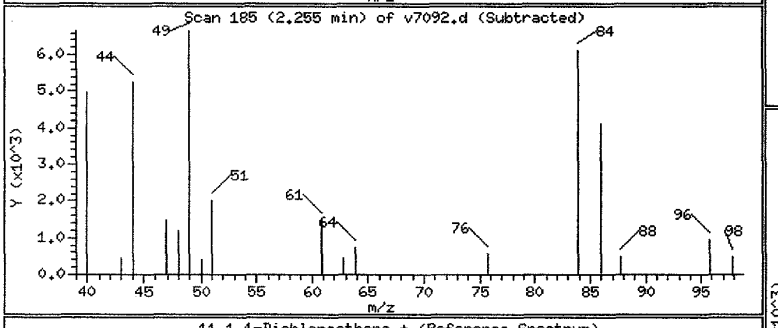
Column diameter: 0.53

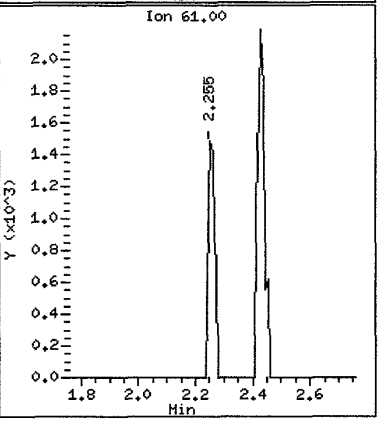
11 1,1-Dichloroethene +

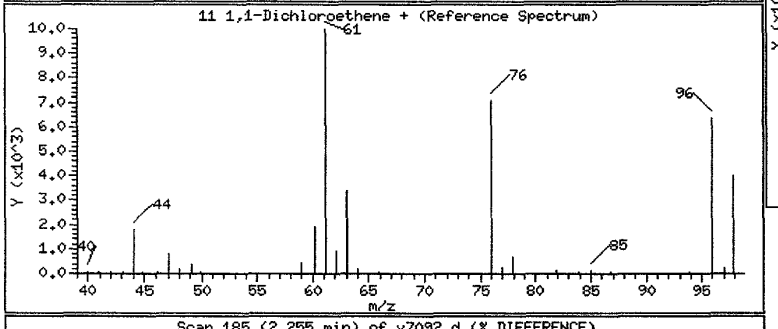
Concentration: 1.36 ug/Kg

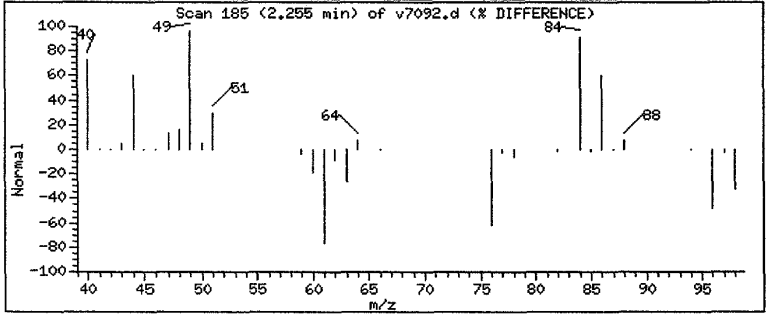












Data File: /var/chem/msv0.i/2061210.b/v7092.d

Date : 10-DEC-2006 15:36

Client ID: SWSED16-016 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072803*SWSED16-016 (0-0.5)

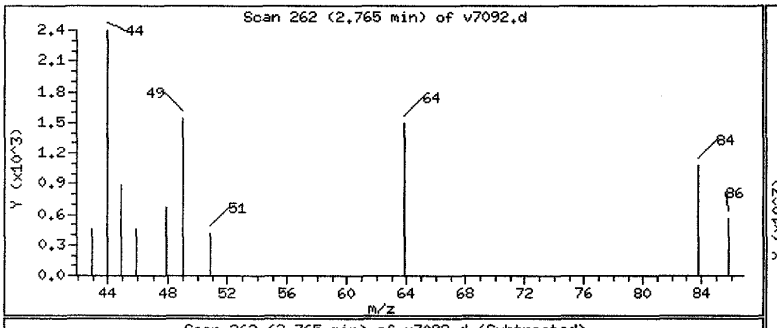
Operator: KCB

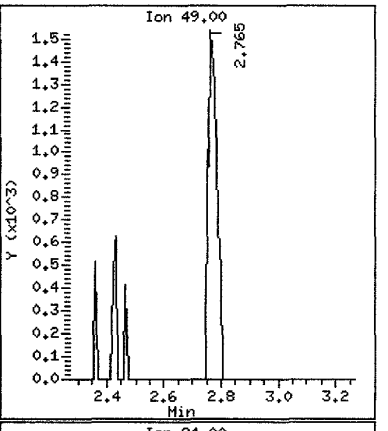
Column phase: DB-624-30M

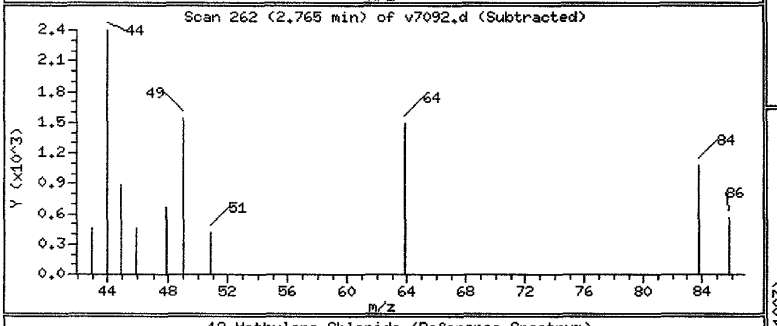
Column diameter: 0.53

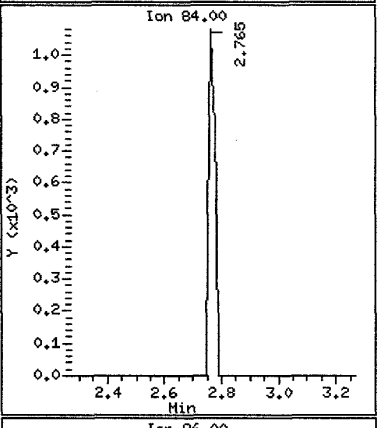
18 Methylene Chloride

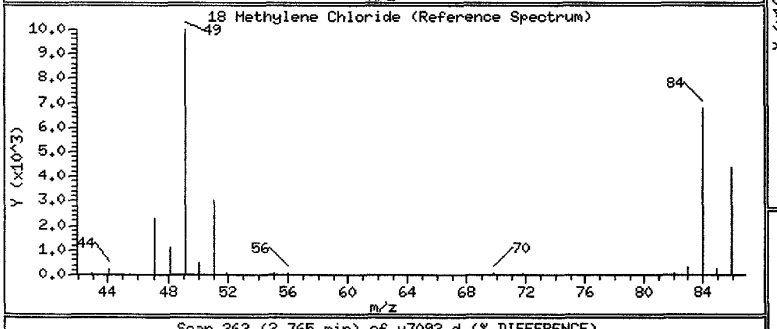
Concentration: 1.12 ug/Kg

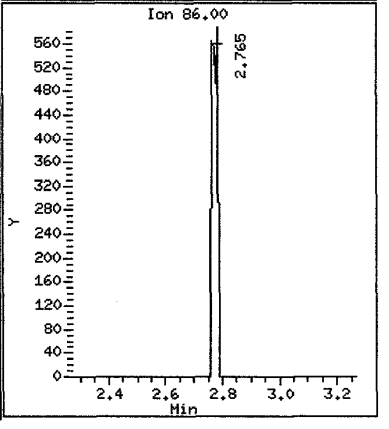


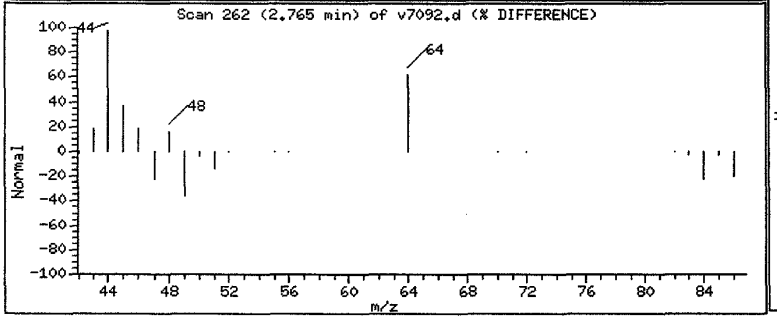












000952

Data File: /var/chem/msv0.i/2061210.b/v7092.d

Date : 10-DEC-2006 15:36

Client ID: SWSED16-016 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072803*SWSED16-016 (0-0.5)

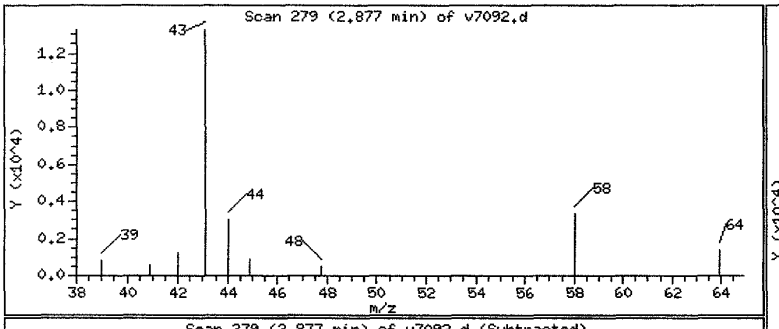
Operator: KCB

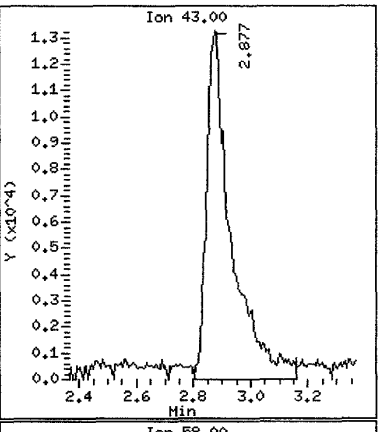
Column phase: DB-624-30M

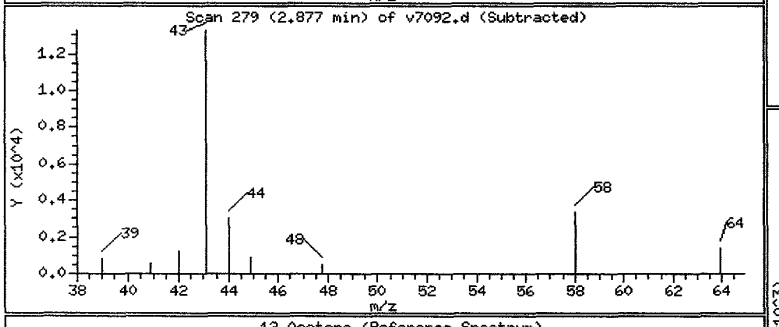
Column diameter: 0.53

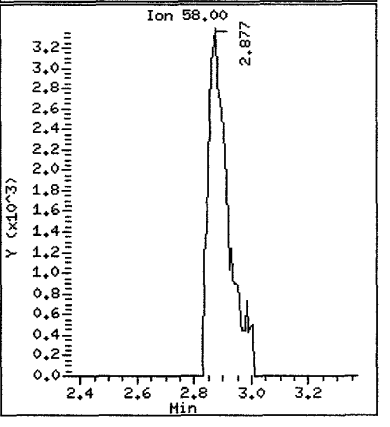
12 Acetone

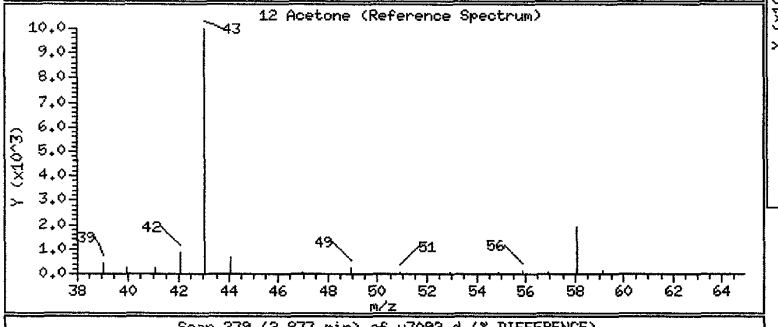
Concentration: 28.1 ug/Kg

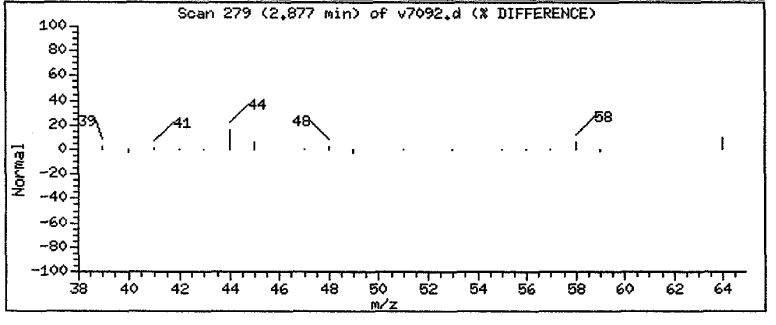












000053

034109

Data File: /var/chem/msv0.i/2061210.b/v7092.d

Date : 10-DEC-2006 15:36

Client ID: SWSED16-016 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072803*SWSED16-016 (0-0.5)

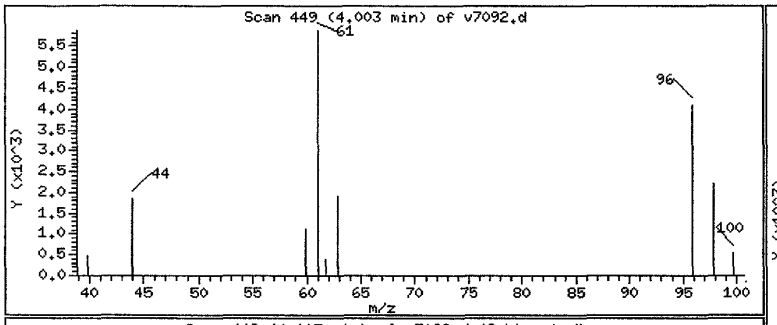
Operator: KCB

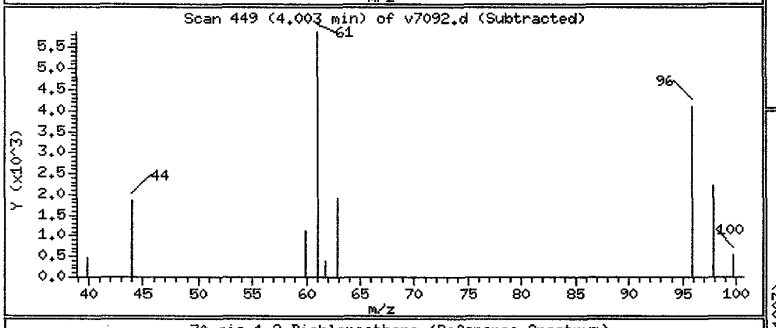
Column phase: DB-624-30M

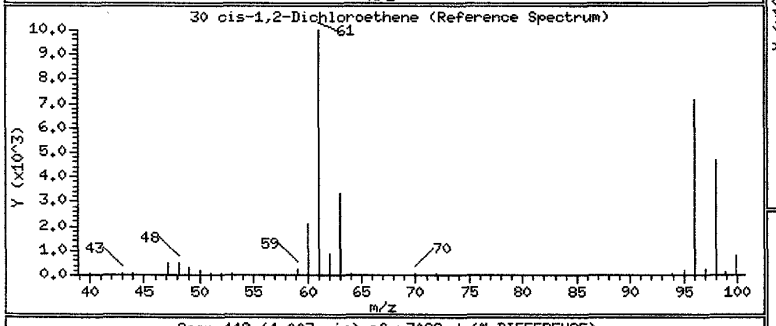
Column diameter: 0.53

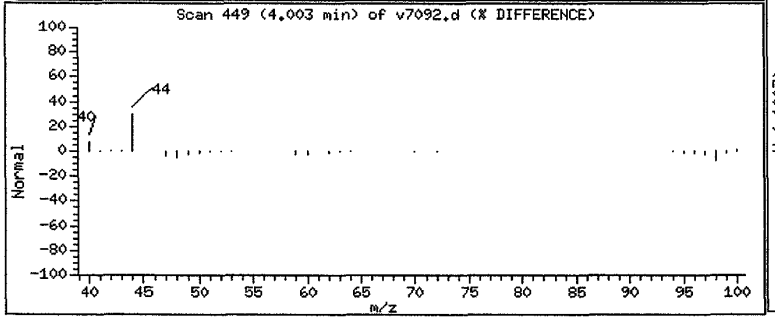
30 cis-1,2-Dichloroethene

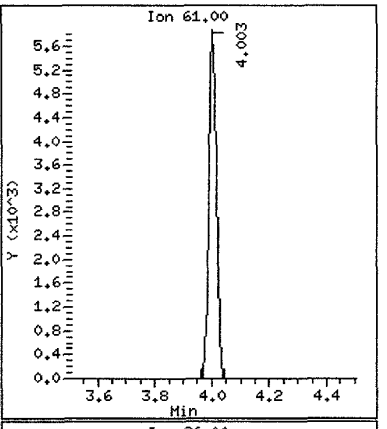
Concentration: 2.20 ug/Kg

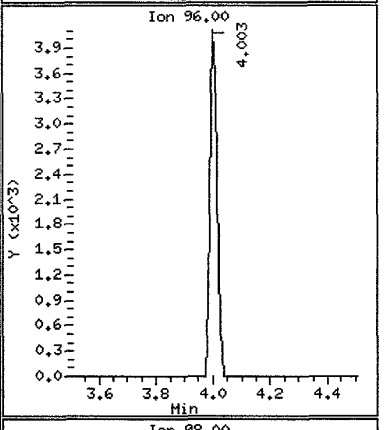


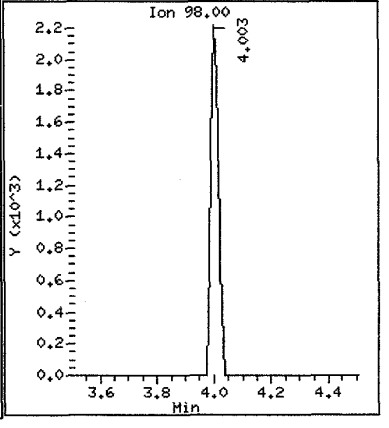












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034110

Data File: /var/chem/msv0.i/2061210.b/v7092.d

Date : 10-DEC-2006 15:36

Client ID: SWSED16-016 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072803*SWSED16-016 (0-0.5)

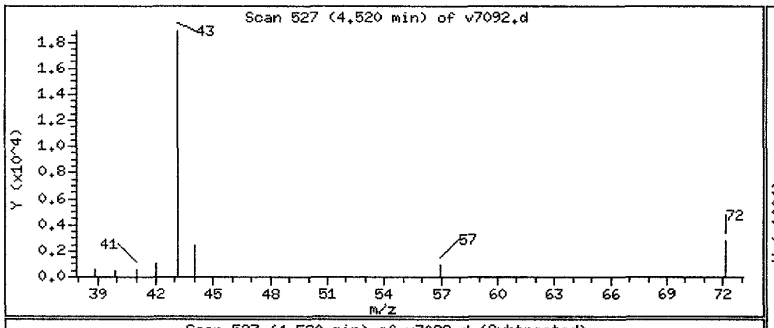
Operator: KCB

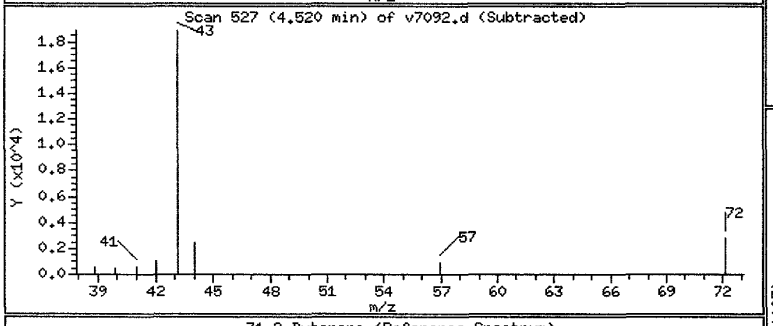
Column phase: DB-624-30M

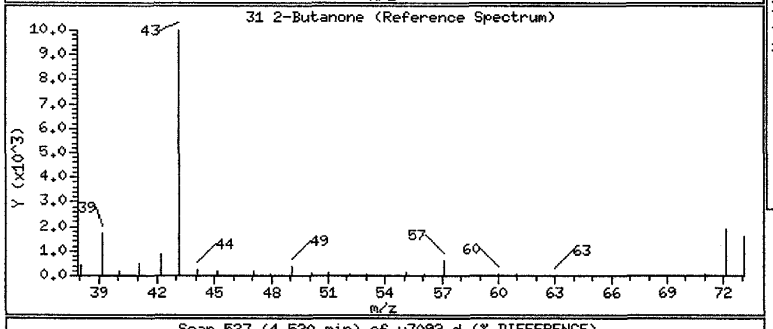
Column diameter: 0.53

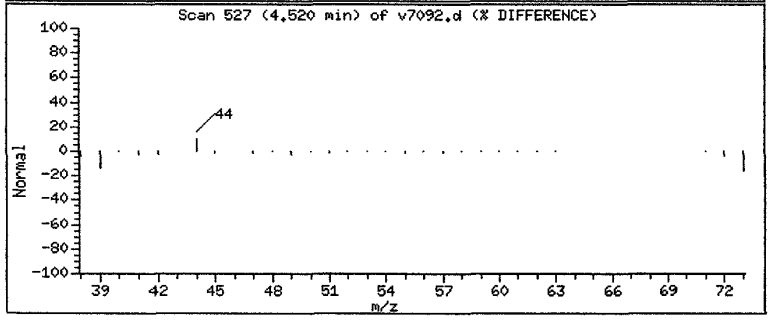
31 2-Butanone

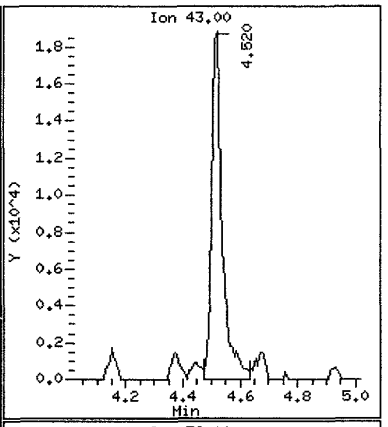
Concentration: 5.36 ug/Kg

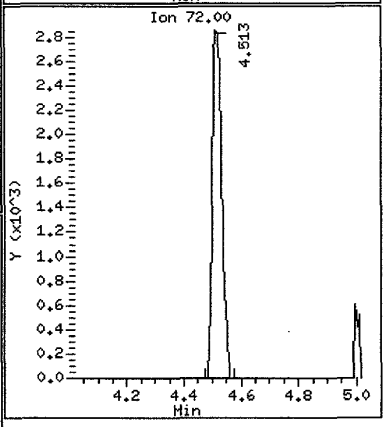












Data File: /var/chem/msv0.i/2061210.b/v7092.d

Date : 10-DEC-2006 15:36

Client ID: SWSED16-016 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072803*SWSED16-016 (0-0.5)

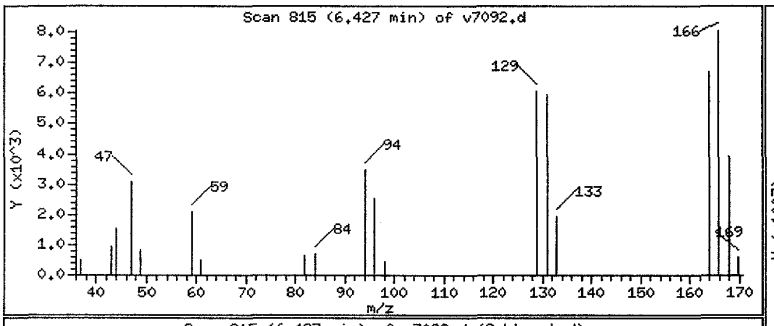
Operator: KCB

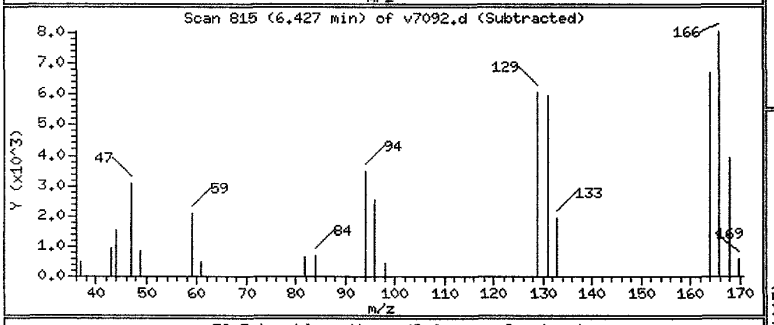
Column phase: DB-624-30M

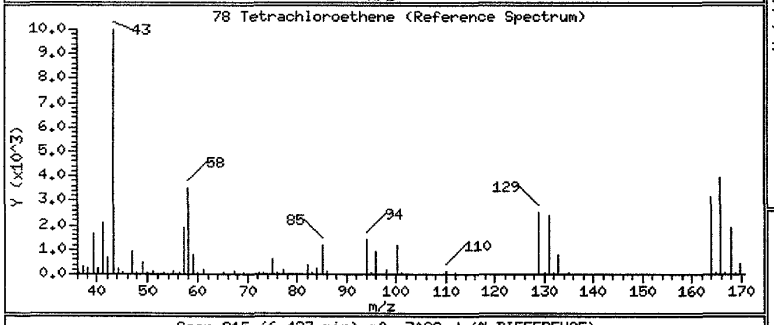
Column diameter: 0.53

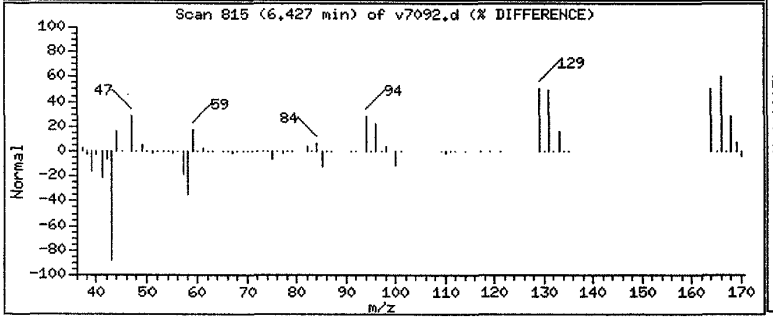
78 Tetrachloroethene

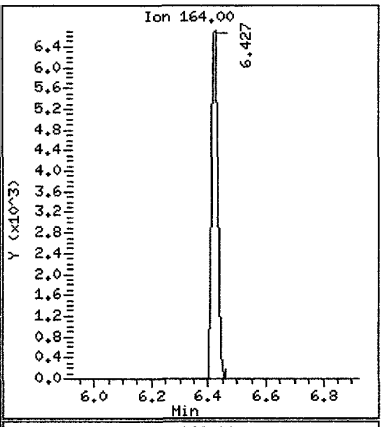
Concentration: 4.61 ug/Kg

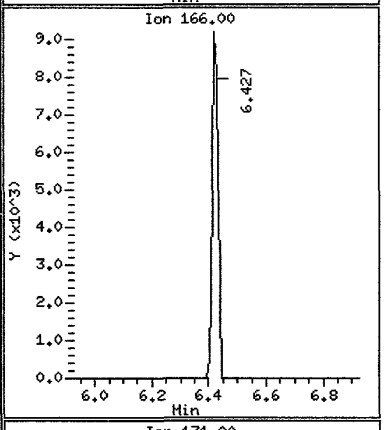


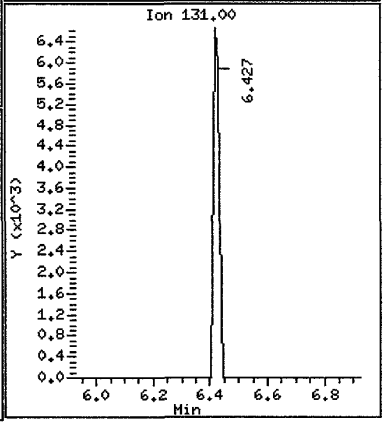












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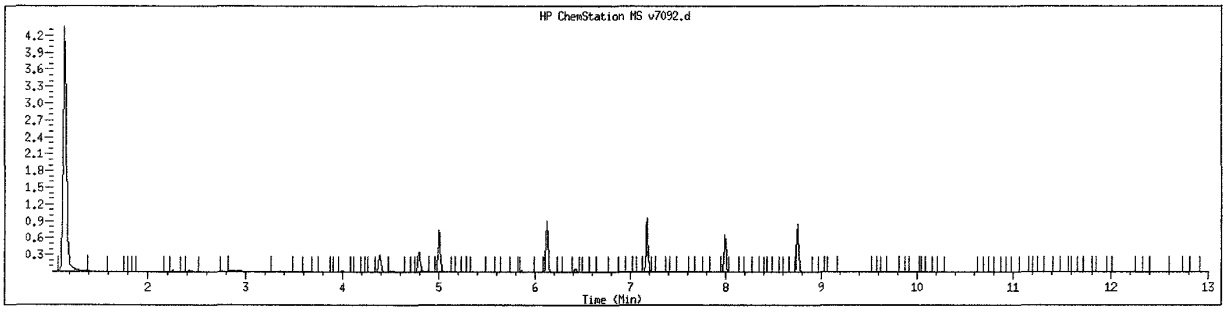
Data file : /var/chem/msv0.i/2061210.b/v7092.d Page: 1
Report Date: 12/11/2006 06:15

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072803 SampleType : SAMPLE
Injection Date: 10-DEC-2006 15:36 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072803*SWSED16-016 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

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034113

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED2-002 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072806

Level: (low/med) LOW

Lab File ID: 2061210/v7097

% Moisture: not dec. 58.8

Date Collected: 12/06/06 Time: 0825

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1729

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.012	U	0.000436	0.012
71-55-6	1,1,1-Trichloroethane	0.012	U	0.000305	0.012
79-34-5	1,1,2,2-Tetrachloroethane	0.012	U	0.000446	0.012
79-00-5	1,1,2-Trichloroethane	0.012	U	0.000282	0.012
75-34-3	1,1-Dichloroethane	0.012	U	0.000394	0.012
75-35-4	1,1-Dichloroethene	0.012	U	0.000889	0.012
563-58-6	1,1-Dichloropropene	0.012	U	0.000322	0.012
96-18-4	1,2,3-Trichloropropane	0.00495	U	0.000607	0.00495
120-82-1	1,2,4-Trichlorobenzene	0.012	U	0.000810	0.012
95-63-6	1,2,4-Trimethylbenzene	0.012	U	0.000490	0.012
96-12-8	1,2-Dibromo-3-chloropropane	0.012	U	0.00215	0.012
106-93-4	1,2-Dibromoethane	0.012	U	0.000372	0.012
95-50-1	1,2-Dichlorobenzene	0.012	U	0.000282	0.012
107-06-2	1,2-Dichloroethane	0.012	U	0.000282	0.012
78-87-5	1,2-Dichloropropane	0.012	U	0.000277	0.012
108-67-8	1,3,5-Trimethylbenzene	0.012	U	0.000404	0.012
541-73-1	1,3-Dichlorobenzene	0.012	U	0.000585	0.012
142-28-9	1,3-Dichloropropane	0.012	U	0.000337	0.012
106-46-7	1,4-Dichlorobenzene	0.012	U	0.00104	0.012
594-20-7	2,2-Dichloropropane	0.012	U	0.000436	0.012
78-93-3	2-Butanone	0.010	JB	0.000773	0.012
110-75-8	2-Chloroethylvinyl ether	0.012	U	0.00521	0.012
95-49-8	2-Chlorotoluene	0.012	U	0.000372	0.012
591-78-6	2-Hexanone	0.012	U	0.00205	0.012
106-43-4	4-Chlorotoluene	0.012	U	0.000805	0.012
99-87-6	4-Isopropyltoluene	0.012	U	0.000399	0.012
108-10-1	4-Methyl-2-pentanone	0.012	U	0.000429	0.012
67-64-1	Acetone	0.069	B	0.000926	0.062
107-02-8	Acrolein	0.062	U	0.00580	0.062
107-13-1	Acrylonitrile	0.062	U	0.00176	0.062
71-43-2	Benzene	0.012	U	0.000258	0.012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED2-002 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072806

Level: (low/med) LOW

Lab File ID: 2061210/v7097

% Moisture: not dec. 58.8

Date Collected: 12/06/06 Time: 0825

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1729

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.012	U	0.000582	0.012
75-27-4	Bromodichloromethane	0.012	U	0.000334	0.012
75-25-2	Bromoform	0.012	U	0.000419	0.012
74-83-9	Bromomethane	0.012	U	0.00373	0.012
104-51-8	n-Butylbenzene	0.012	U	0.000441	0.012
75-15-0	Carbon disulfide	0.00699	J	0.000270	0.012
56-23-5	Carbon tetrachloride	0.012	U	0.000297	0.012
108-90-7	Chlorobenzene	0.012	U	0.000409	0.012
75-00-3	Chloroethane	0.012	U	0.00150	0.012
67-66-3	Chloroform	0.012	U	0.000349	0.012
74-87-3	Chloromethane	0.012	U	0.00115	0.012
110-82-7	Cyclohexane	0.012	U	0.00274	0.012
124-48-1	Dibromochloromethane	0.012	U	0.000223	0.012
74-95-3	Dibromomethane	0.012	U	0.000386	0.012
75-71-8	Dichlorodifluoromethane	0.012	U	0.000902	0.012
10061-01-5	cis-1,3-Dichloropropene	0.012	U	0.000285	0.012
10061-02-6	trans-1,3-Dichloropropene	0.012	U	0.000349	0.012
100-41-4	Ethylbenzene	0.012	U	0.000513	0.012
87-68-3	Hexachlorobutadiene	0.012	U	0.00308	0.012
98-82-8	Isopropylbenzene (Cumene)	0.012	U	0.000379	0.012
79-20-9	Methyl Acetate	0.012	U	0.00379	0.012
74-88-4	Methyl iodide	0.012	U	0.00224	0.012
108-87-2	Methylcyclohexane	0.012	U	0.000916	0.012
75-09-2	Methylene chloride	0.00320	JB	0.00119	0.025
91-20-3	Naphthalene	0.012	U	0.000931	0.012
100-42-5	Styrene	0.012	U	0.000376	0.012
127-18-4	Tetrachloroethene	0.012	U	0.000476	0.012
108-88-3	Toluene	0.012	U	0.00136	0.012
79-01-6	Trichloroethene	0.012	U	0.000438	0.012
75-69-4	Trichlorofluoromethane	0.012	U	0.000624	0.012
76-13-1	Trichlorotrifluoroethane	0.012	U	0.000466	0.012
108-05-4	Vinyl acetate	0.012	U	0.00242	0.012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED2-002 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 58.8

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072806

Lab File ID: 2061210/v7097

Date Collected: 12/06/06 Time: 0825

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1729

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.012	U	0.000869	0.012
1330-20-7	Xylene (total)	0.025	U	0.00142	0.025
156-59-2	cis-1,2-Dichloroethene	0.012	U	0.000312	0.012
136777-61-	m,p-Xylene	0.012	U	0.000986	0.012
71-36-3	n-Butyl alcohol	0.062	U	0.00248	0.062
103-65-1	n-Propylbenzene	0.012	U	0.000347	0.012
95-47-6	o-Xylene	0.012	U	0.000431	0.012
135-98-8	sec-Butylbenzene	0.012	U	0.000290	0.012
1634-04-4	tert-Butyl methyl ether (MTBE)	0.012	U	0.000183	0.012
98-06-6	tert-Butylbenzene	0.012	U	0.000624	0.012
156-60-5	trans-1,2-Dichloroethene	0.012	U	0.000406	0.012
110-57-6	trans-1,4-Dichloro-2-butene	0.012	U	0.00179	0.012

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7097.d
Lab Smp Id: 20612072806 Client Smp ID: SWSED2-002 (0-0.5)
Inj Date : 10-DEC-2006 17:29
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072806*SWSED2-002 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 15
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.90000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

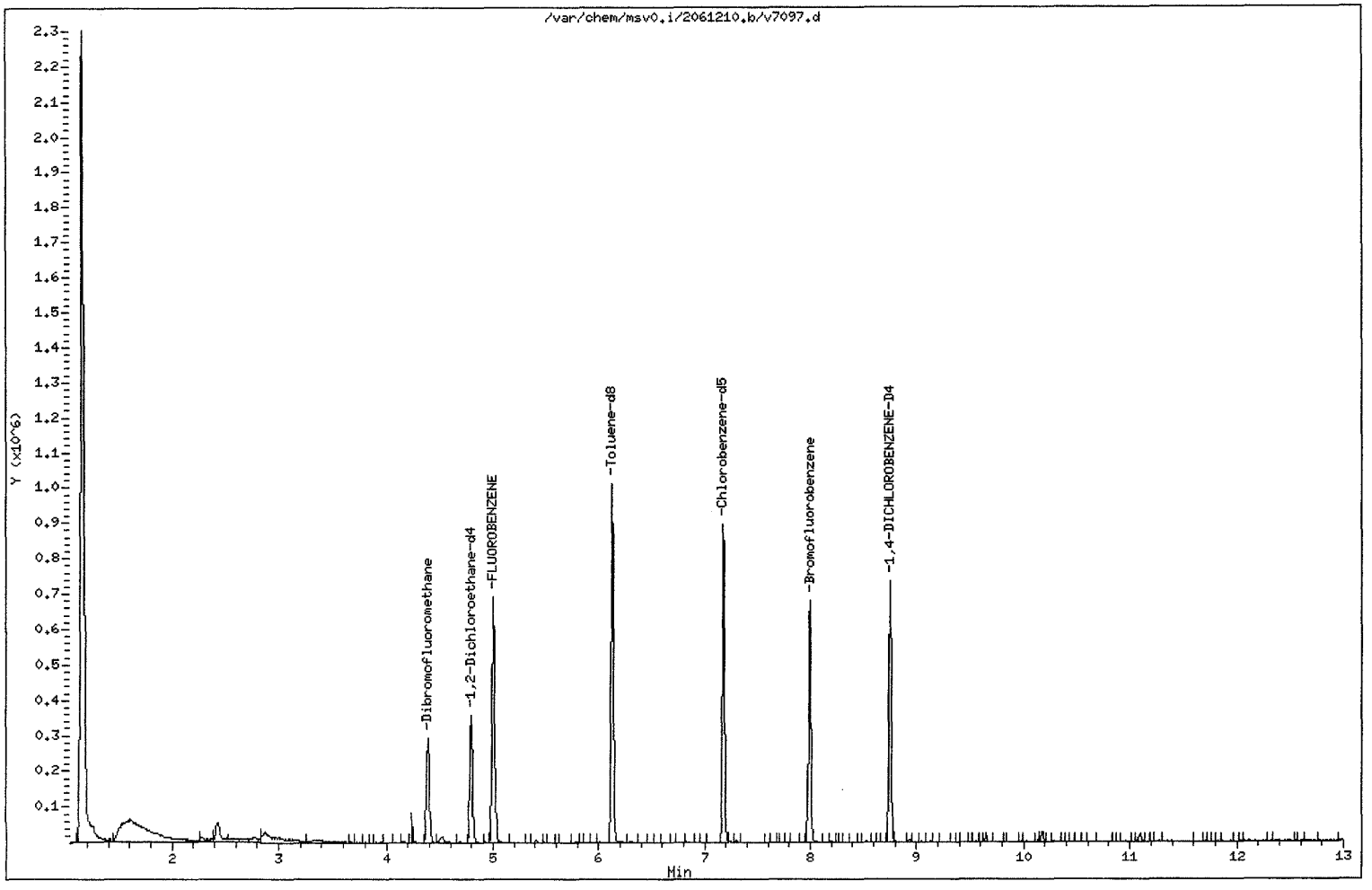
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	14 Carbon Disulfide	76	2.272	2.275	(0.454)	11284	2.82507	2.88	5020
	18 Methylene Chloride	49	2.762	2.765	(0.552)	3512	1.29290	1.32	3969
	12 Acetone	43	2.868	2.865	(0.573)	72786	27.8292	28.4	8403
$	41 Dibromofluoromethane	111	4.385	4.388	(0.876)	183039	48.3120	49.3	5432
	31 2-Butanone	43	4.510	4.514	(0.901)	34254	4.08301	4.17	
$	47 1,2-Dichloroethane-d4	67	4.795	4.792	(0.958)	117446	51.6020	52.7	9588
*	49 FLUOROBENZENE	96	5.007	5.004	(1.000)	523019	50.0000		9803
$	67 Toluene-d8	98	6.126	6.123	(0.854)	524013	48.8765	49.9	9788
*	85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	225946	50.0000		2801
$	98 Bromofluorobenzene	174	7.994	7.991	(1.114)	140263	47.7732	48.7	9092
*	115 1,4-DICHLOROBENZENE-D4	152	8.756	8.753	(1.000)	147513	50.0000		3619

Data File: /var/chem/msv0.i/2061210.b/v7097.d
Date : 10-DEC-2006 17:29
Client ID: SWSED2-002 (0-0.5)
Sample Info: 20612072806*SWSED2-002 (0-0.5)

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7097.d

Date : 10-DEC-2006 17:29

Client ID: SWSED2-002 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072806*SWSED2-002 (0-0.5)

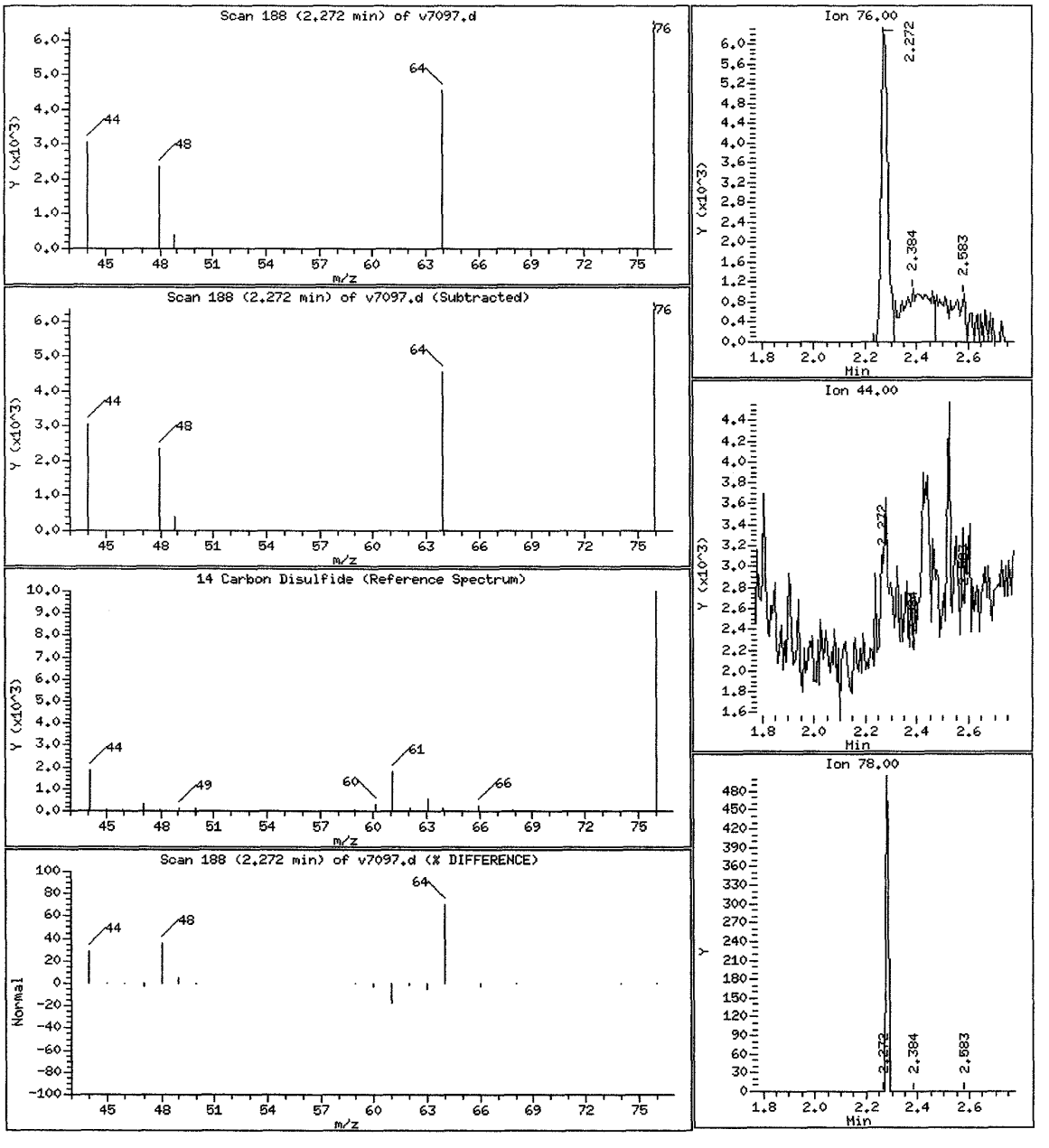
Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

14 Carbon Disulfide

Concentration: 2.88 ug/Kg



Data File: /var/chem/msv0.i/2061210.b/v7097.d

Date : 10-DEC-2006 17:29

Client ID: SWSED2-002 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072806*SWSED2-002 (0-0.5)

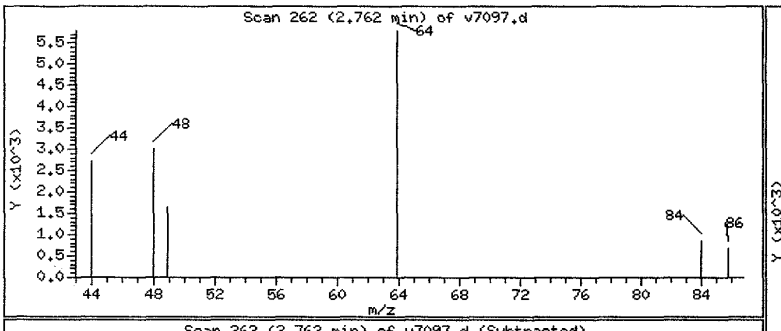
Operator: KCB

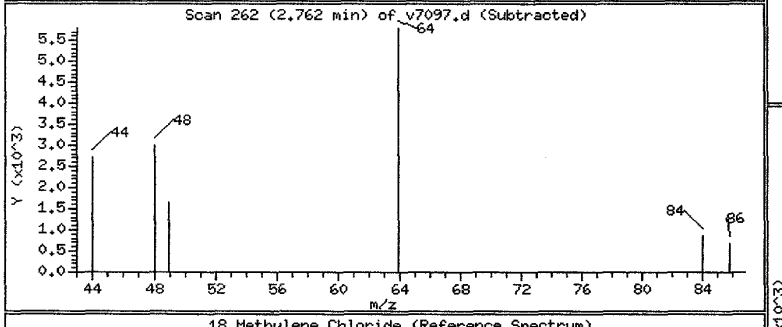
Column phase: DB-624-30M

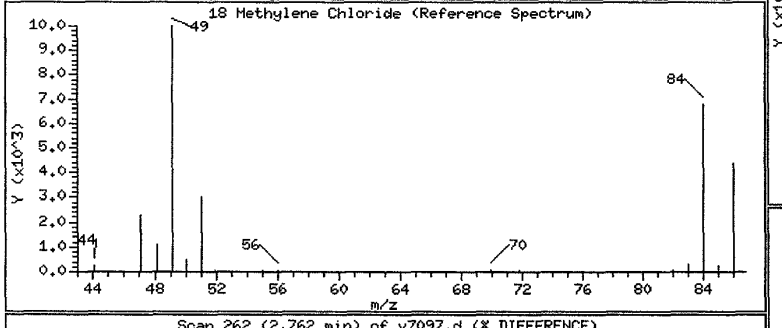
Column diameter: 0.53

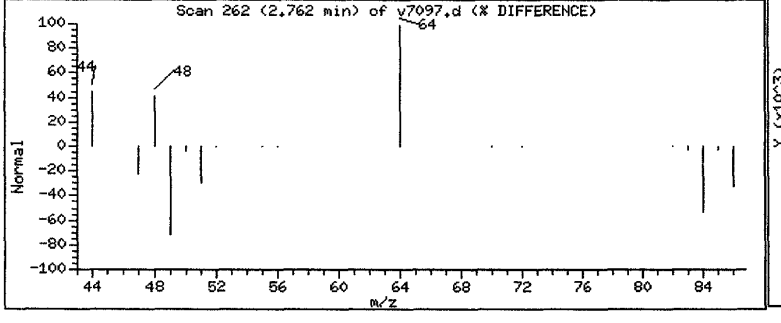
18 Methylene Chloride

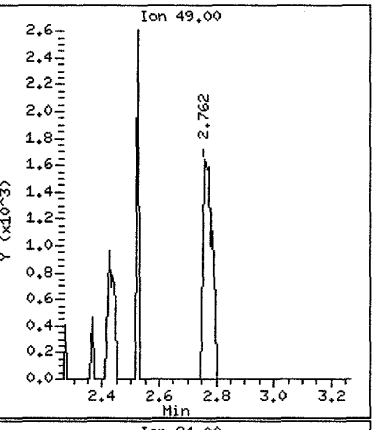
Concentration: 1.32 ug/Kg

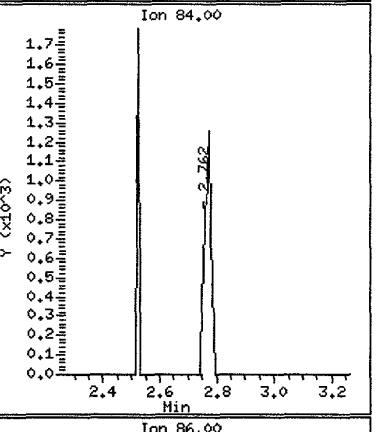


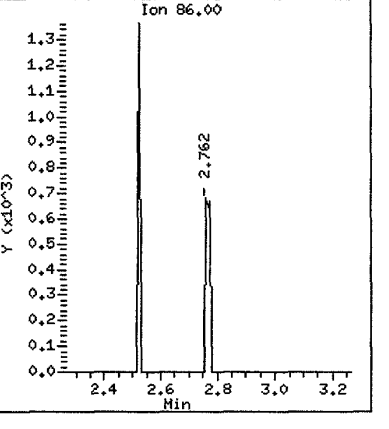












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034120

Data File: /var/chem/msv0.i/2061210.b/v7097.d

Date : 10-DEC-2006 17:29

Client ID: SWSED2-002 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072806*SWSED2-002 (0-0.5)

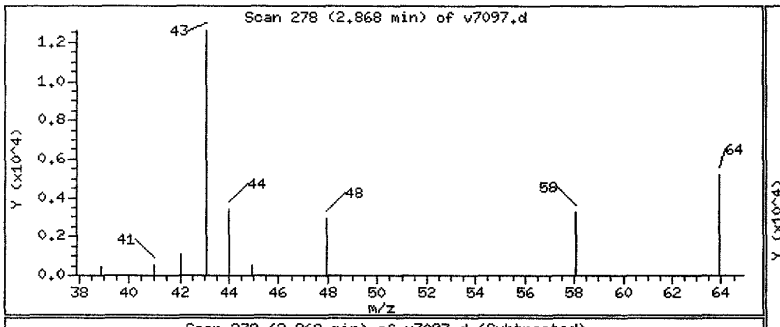
Operator: KCB

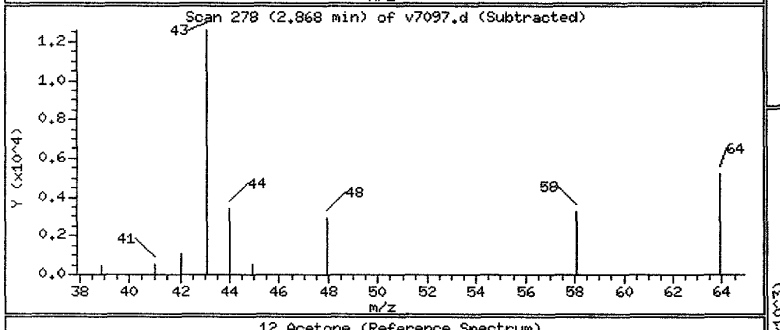
Column phase: DB-624-30M

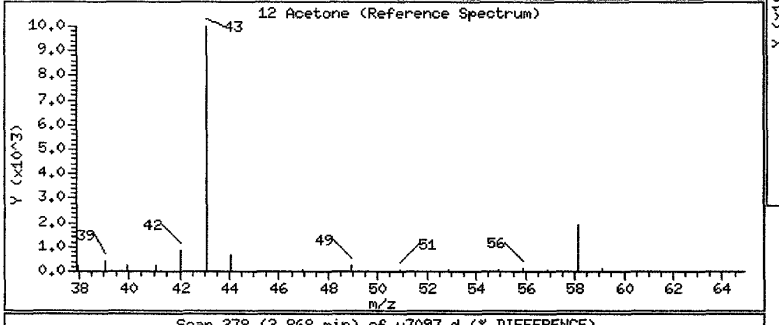
Column diameter: 0.53

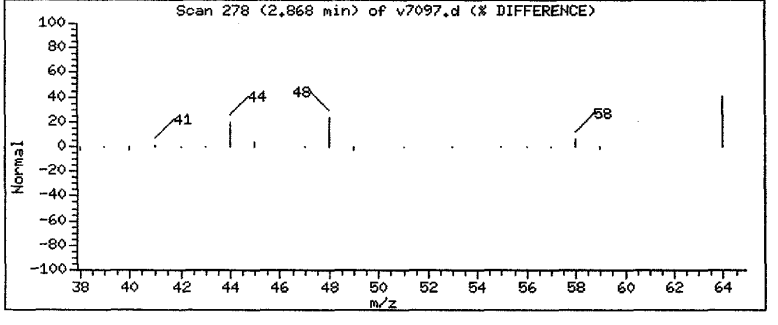
12 Acetone

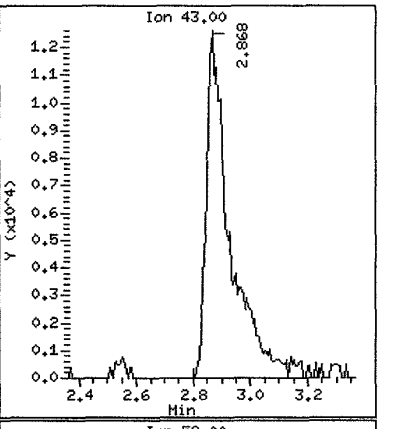
Concentration: 28.4 ug/Kg

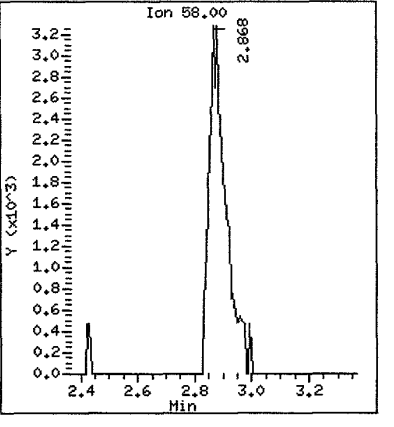












000065

034121

Data File: /var/chem/msv0.i/2061210.b/v7097.d

Date : 10-DEC-2006 17:29

Client ID: SWSED2-002 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072806*SWSED2-002 (0-0.5)

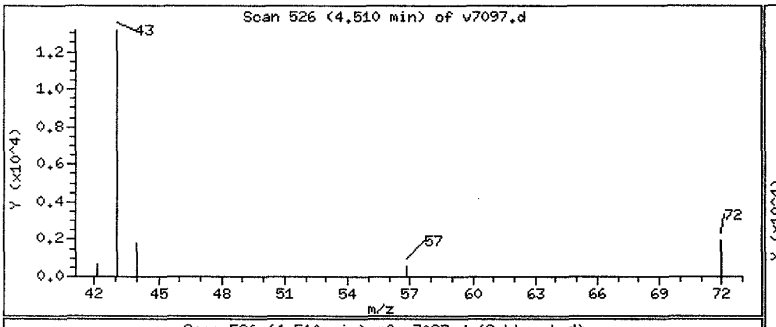
Operator: KCB

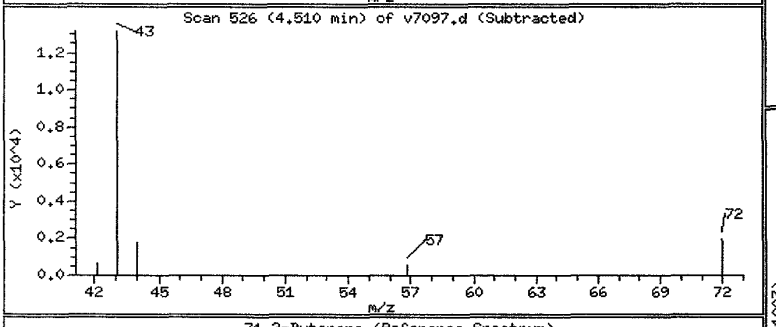
Column phase: DB-624-30M

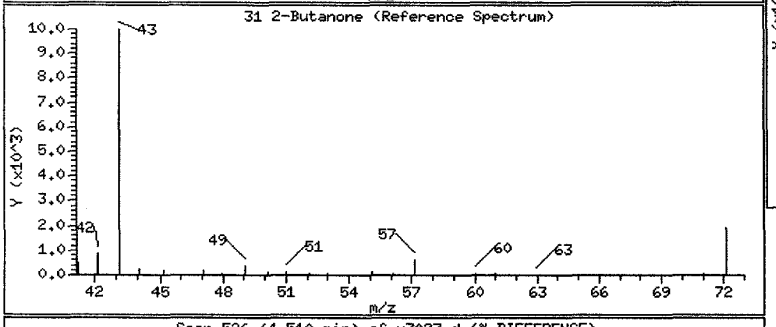
Column diameter: 0.53

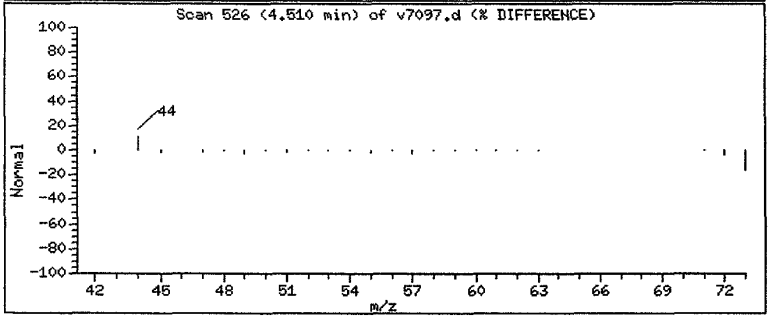
31 2-Butanone

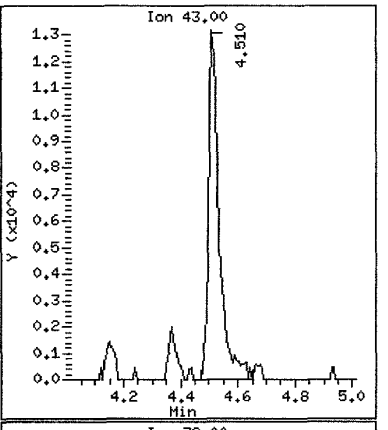
Concentration: 4.17 ug/Kg

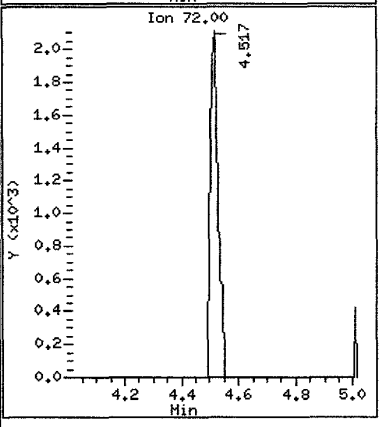








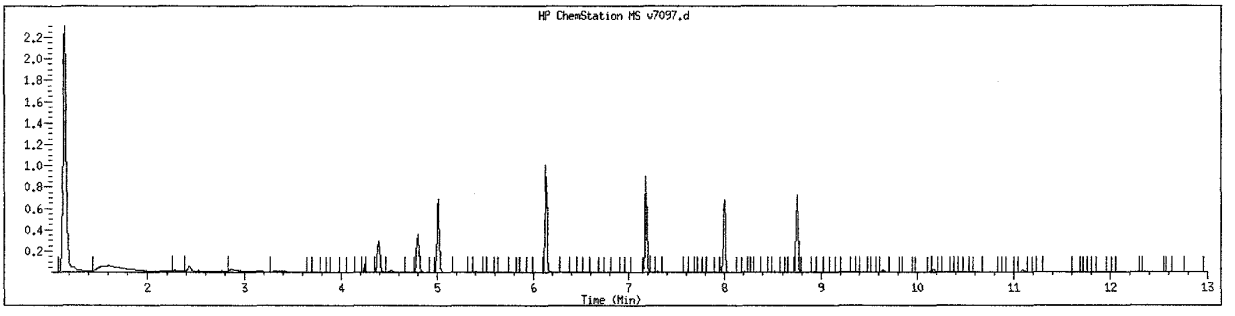




Data file : /var/chem/msv0.i/2061210.b/v7097.d Page: 1
Report Date: 12/11/2006 06:20

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072806 SampleType : SAMPLE
Injection Date: 10-DEC-2006 17:29 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072806*SWSED2-002 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

034123

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED5-005 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g Lab Sample ID: 20612072807

Level: (low/med) LOW Lab File ID: 2061210/v7098

% Moisture: not dec. 40.3 Date Collected: 12/06/06 Time: 0820

GC Column: DB-624-30M ID: .53 (mm) Date Received: 12/07/06

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 1750

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00853	U	0.000300	0.00853
71-55-6	1,1,1-Trichloroethane	0.00853	U	0.000210	0.00853
79-34-5	1,1,2,2-Tetrachloroethane	0.00853	U	0.000307	0.00853
79-00-5	1,1,2-Trichloroethane	0.00853	U	0.000195	0.00853
75-34-3	1,1-Dichloroethane	0.00853	U	0.000271	0.00853
75-35-4	1,1-Dichloroethene	0.00853	U	0.000613	0.00853
563-58-6	1,1-Dichloropropene	0.00853	U	0.000222	0.00853
96-18-4	1,2,3-Trichloropropane	0.00341	U	0.000418	0.00341
120-82-1	1,2,4-Trichlorobenzene	0.00853	U	0.000558	0.00853
95-63-6	1,2,4-Trimethylbenzene	0.00853	U	0.000338	0.00853
96-12-8	1,2-Dibromo-3-chloropropane	0.00853	U	0.00148	0.00853
106-93-4	1,2-Dibromoethane	0.00853	U	0.000256	0.00853
95-50-1	1,2-Dichlorobenzene	0.00853	U	0.000195	0.00853
107-06-2	1,2-Dichloroethane	0.00853	U	0.000195	0.00853
78-87-5	1,2-Dichloropropane	0.00853	U	0.000191	0.00853
108-67-8	1,3,5-Trimethylbenzene	0.00853	U	0.000278	0.00853
541-73-1	1,3-Dichlorobenzene	0.00853	U	0.000403	0.00853
142-28-9	1,3-Dichloropropane	0.00853	U	0.000232	0.00853
106-46-7	1,4-Dichlorobenzene	0.00853	U	0.000718	0.00853
594-20-7	2,2-Dichloropropane	0.00853	U	0.000300	0.00853
78-93-3	2-Butanone	0.011	B	0.000532	0.00853
110-75-8	2-Chloroethylvinyl ether	0.00853	U	0.00359	0.00853
95-49-8	2-Chlorotoluene	0.00853	U	0.000256	0.00853
591-78-6	2-Hexanone	0.00853	U	0.00141	0.00853
106-43-4	4-Chlorotoluene	0.00853	U	0.000555	0.00853
99-87-6	4-Isopropyltoluene	0.00853	U	0.000275	0.00853
108-10-1	4-Methyl-2-pentanone	0.00853	U	0.000295	0.00853
67-64-1	Acetone	0.064	B	0.000638	0.043
107-02-8	Acrolein	0.043	U	0.00399	0.043
107-13-1	Acrylonitrile	0.043	U	0.00121	0.043
71-43-2	Benzene	0.00853	U	0.000177	0.00853

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED5-005 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g

Lab Sample ID: 20612072807

Level: (low/med) LOW

Lab File ID: 2061210/v7098

% Moisture: not dec. 40.3

Date Collected: 12/06/06 Time: 0820

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1750

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00853	U	0.000401	0.00853
75-27-4	Bromodichloromethane	0.00853	U	0.000230	0.00853
75-25-2	Bromoform	0.00853	U	0.000288	0.00853
74-83-9	Bromomethane	0.00853	U	0.00257	0.00853
104-51-8	n-Butylbenzene	0.00853	U	0.000304	0.00853
75-15-0	Carbon disulfide	0.00496	J	0.000186	0.00853
56-23-5	Carbon tetrachloride	0.00853	U	0.000205	0.00853
108-90-7	Chlorobenzene	0.00853	U	0.000282	0.00853
75-00-3	Chloroethane	0.00853	U	0.00103	0.00853
67-66-3	Chloroform	0.00853	U	0.000241	0.00853
74-87-3	Chloromethane	0.00853	U	0.000792	0.00853
110-82-7	Cyclohexane	0.00853	U	0.00189	0.00853
124-48-1	Dibromochloromethane	0.00853	U	0.000154	0.00853
74-95-3	Dibromomethane	0.00853	U	0.000266	0.00853
75-71-8	Dichlorodifluoromethane	0.00853	U	0.000621	0.00853
10061-01-5	cis-1,3-Dichloropropene	0.00853	U	0.000196	0.00853
10061-02-6	trans-1,3-Dichloropropene	0.00853	U	0.000241	0.00853
100-41-4	Ethylbenzene	0.00853	U	0.000353	0.00853
87-68-3	Hexachlorobutadiene	0.00853	U	0.00212	0.00853
98-82-8	Isopropylbenzene (Cumene)	0.00853	U	0.000261	0.00853
79-20-9	Methyl Acetate	0.00853	U	0.00261	0.00853
74-88-4	Methyl iodide	0.00853	U	0.00155	0.00853
108-87-2	Methylcyclohexane	0.00853	U	0.000631	0.00853
75-09-2	Methylene chloride	0.017	U	0.000817	0.017
91-20-3	Naphthalene	0.00853	U	0.000642	0.00853
100-42-5	Styrene	0.00853	U	0.000259	0.00853
127-18-4	Tetrachloroethene	0.00853	U	0.000328	0.00853
108-88-3	Toluene	0.00853	U	0.000939	0.00853
79-01-6	Trichloroethene	0.00853	U	0.000302	0.00853
75-69-4	Trichlorofluoromethane	0.00853	U	0.000430	0.00853
76-13-1	Trichlorotrifluoroethane	0.00853	U	0.000321	0.00853
108-05-4	Vinyl acetate	0.00853	U	0.00167	0.00853

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED5-005 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 40.3

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072807

Lab File ID: 2061210/v7098

Date Collected: 12/06/06 Time: 0820

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1750

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00853	U	0.000599	0.00853
1330-20-7	Xylene (total)	0.017	U	0.000976	0.017
156-59-2	cis-1,2-Dichloroethene	0.00853	U	0.000215	0.00853
136777-61-	m,p-Xylene	0.00853	U	0.000679	0.00853
71-36-3	n-Butyl alcohol	0.043	U	0.00171	0.043
103-65-1	n-Propylbenzene	0.00853	U	0.000239	0.00853
95-47-6	o-Xylene	0.00853	U	0.000297	0.00853
135-98-8	sec-Butylbenzene	0.00853	U	0.000200	0.00853
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00853	U	0.000126	0.00853
98-06-6	tert-Butylbenzene	0.00853	U	0.000430	0.00853
156-60-5	trans-1,2-Dichloroethene	0.00853	U	0.000280	0.00853
110-57-6	trans-1,4-Dichloro-2-butene	0.00853	U	0.00123	0.00853

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7098.d
Lab Smp Id: 20612072807 Client Smp ID: SWSED5-005 (0-0.5)
Inj Date : 10-DEC-2006 17:50
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072807*SWSED5-005 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 16
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.91000	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
	14 Carbon Disulfide	76	2.272	2.275	(0.454)	12355	2.90913	2.96	5429
	12 Acetone	43	2.888	2.865	(0.577)	99017	37.4981	38.2	8791
$	41 Dibromofluoromethane	111	4.385	4.388	(0.876)	184535	45.8083	46.6	5432
	31 2-Butanone	43	4.524	4.514	(0.903)	57201	6.41249	6.53	
$	47 1,2-Dichloroethane-d4	67	4.796	4.792	(0.958)	112878	46.6435	47.5	9571
*	49 FLUOROBENZENE	96	5.007	5.004	(1.000)	556114	50.0000		9819
$	67 Toluene-d8	98	6.127	6.123	(0.854)	499681	44.8228	45.6	9809
*	85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	234940	50.0000		2811
$	98 Bromofluorobenzene	174	7.994	7.991	(1.114)	125047	40.9602	41.7	9179
*	115 1,4-DICHLOROBENZENE-D4	152	8.749	8.753	(1.000)	146755	50.0000		3631

000071

Data File: /var/chem/msv0.i/2061210.b/v7098.d

Date : 10-DEC-2006 17:50

Client ID: SWSED5-005 (0-0.5)

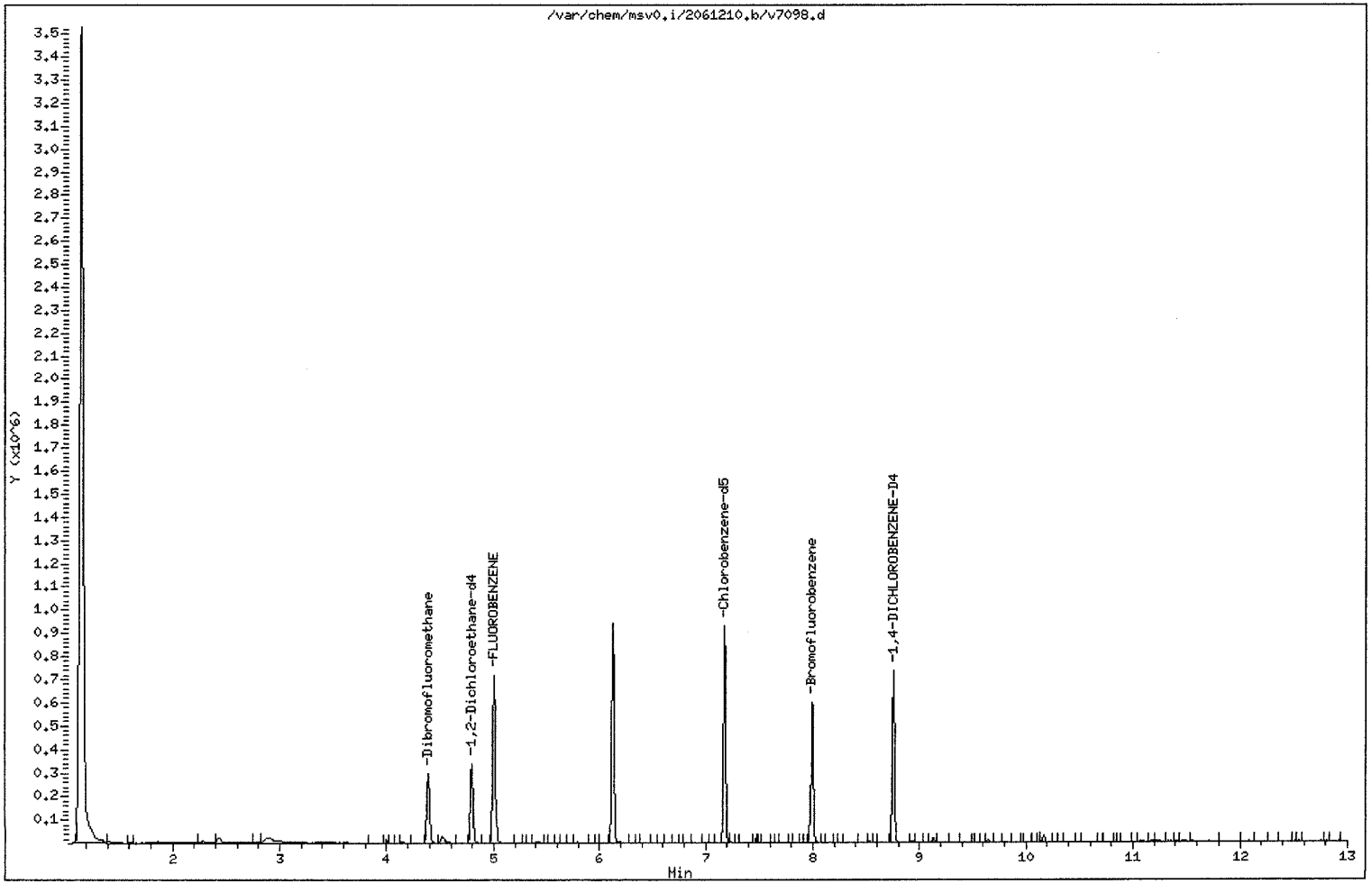
Instrument: msv0.i

Sample Info: 20612072807*SWSED5-005 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7098.d

Date : 10-DEC-2006 17:50

Client ID: SWSED5-005 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072807*SWSED5-005 (0-0.5)

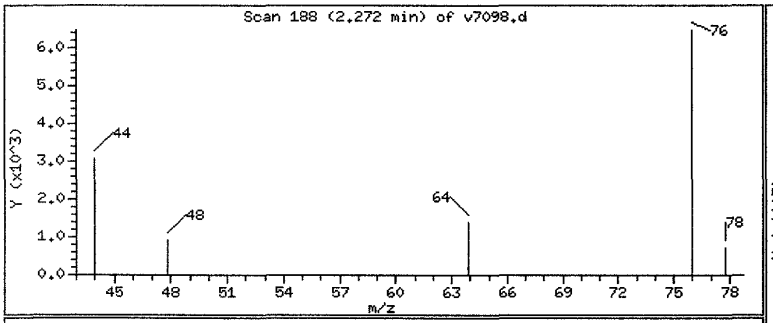
Operator: KCB

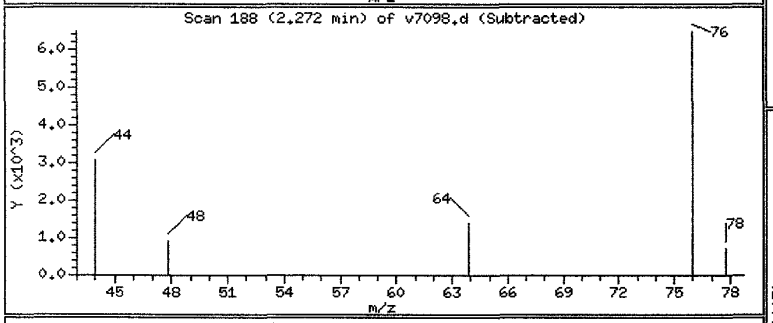
Column phase: DB-624-30M

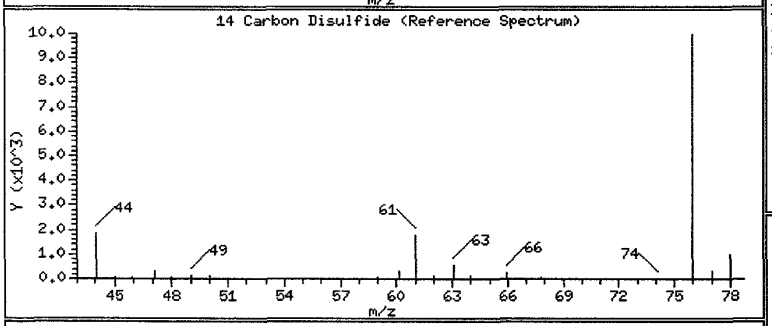
Column diameter: 0.53

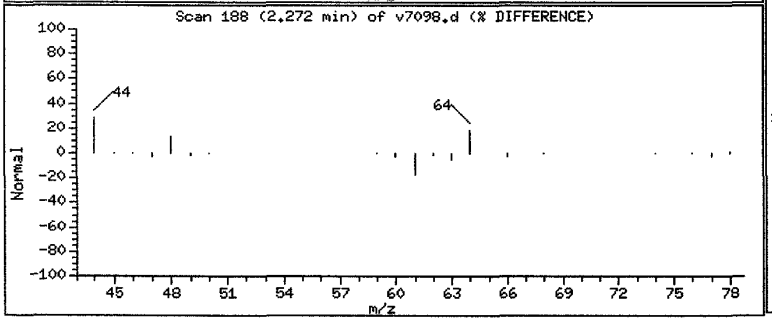
14 Carbon Disulfide

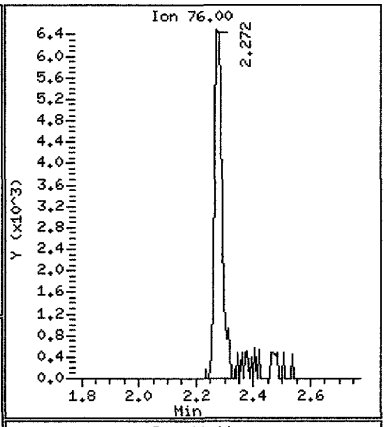
Concentration: 2.96 ug/Kg

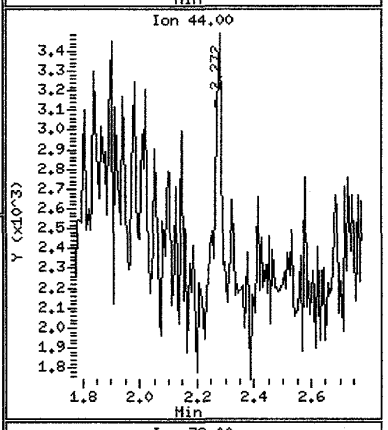


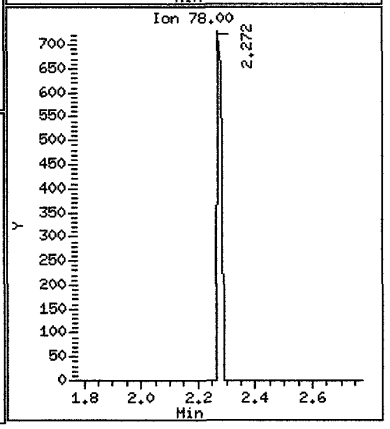












000073

Data File: /var/chem/msv0.i/2061210.b/v7098.d

Date : 10-DEC-2006 17:50

Client ID: SWSED5-005 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072807*SWSED5-005 (0-0.5)

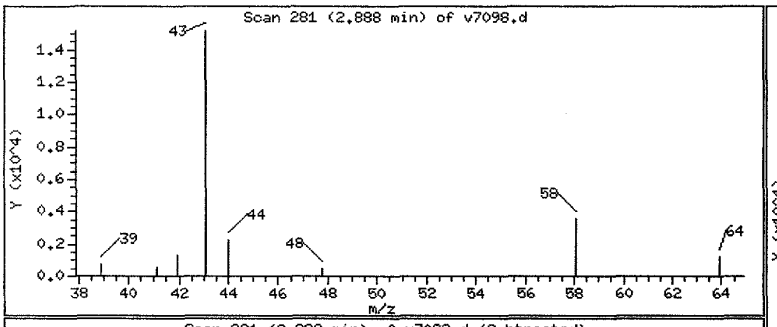
Operator: KCB

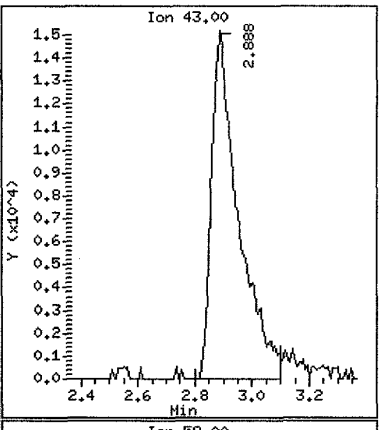
Column phase: DB-624-30M

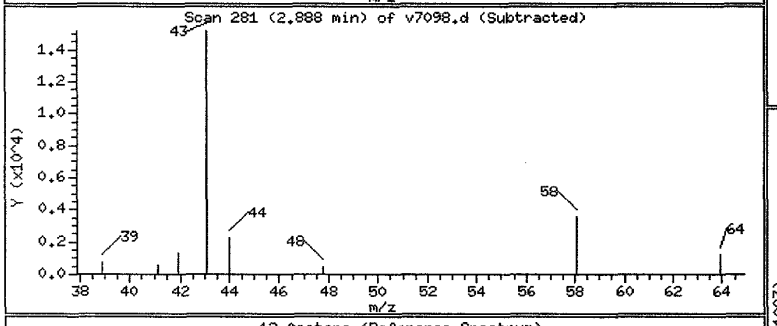
Column diameter: 0.53

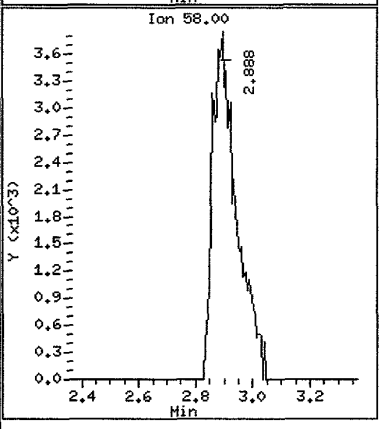
12 Acetone

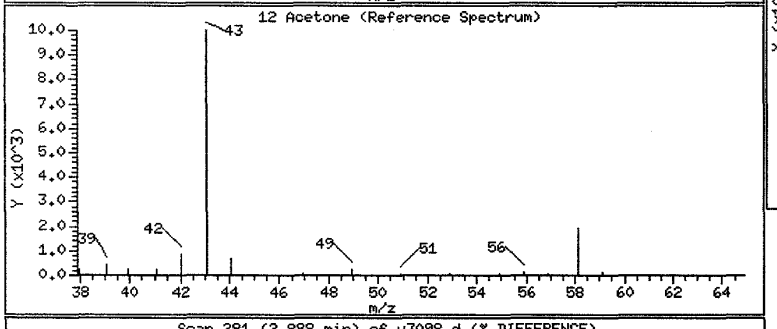
Concentration: 38.2 ug/Kg

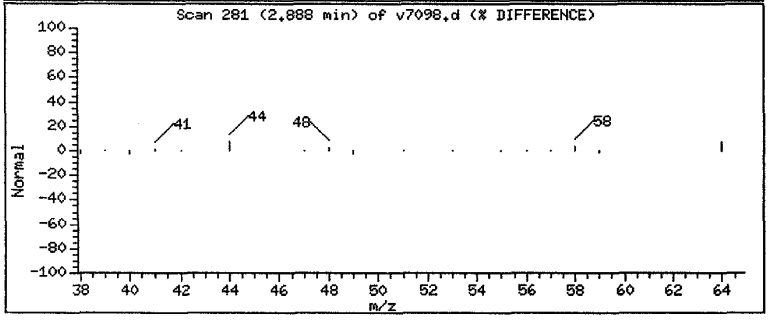












000074

034130

Data File: /var/chem/msv0.i/2061210.b/v7098.d

Date : 10-DEC-2006 17:50

Client ID: SWSED5-005 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072807*SWSED5-005 (0-0.5)

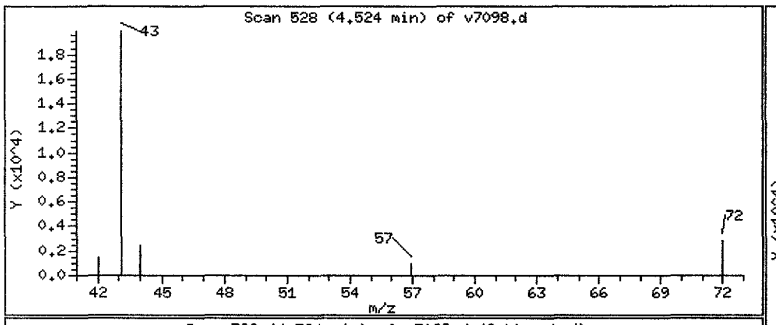
Operator: KCB

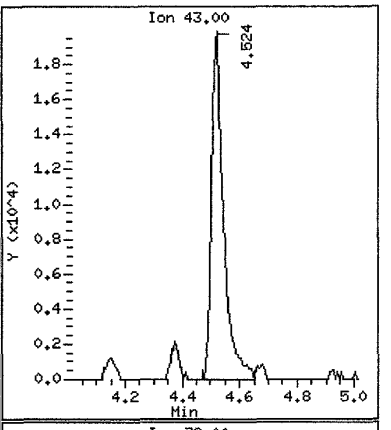
Column phase: DB-624-30M

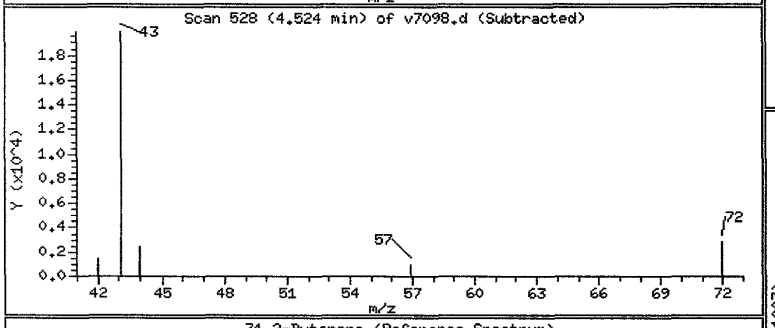
Column diameter: 0.53

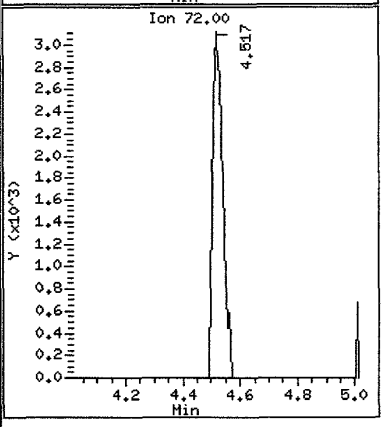
31 2-Butanone

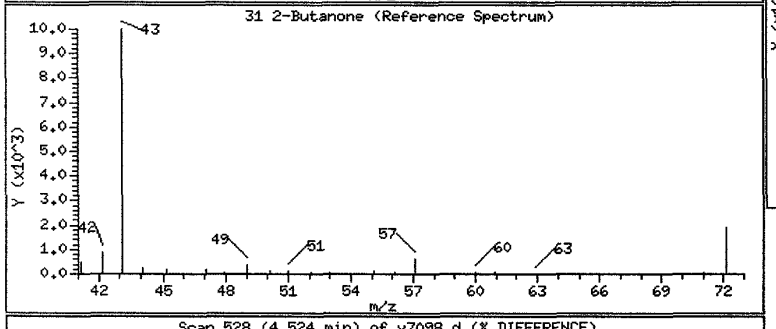
Concentration: 6.53 ug/Kg

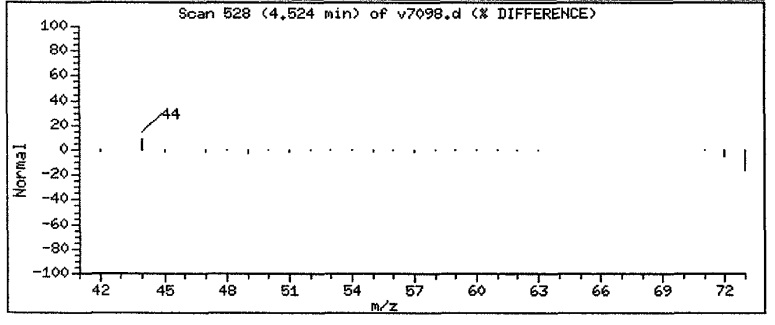












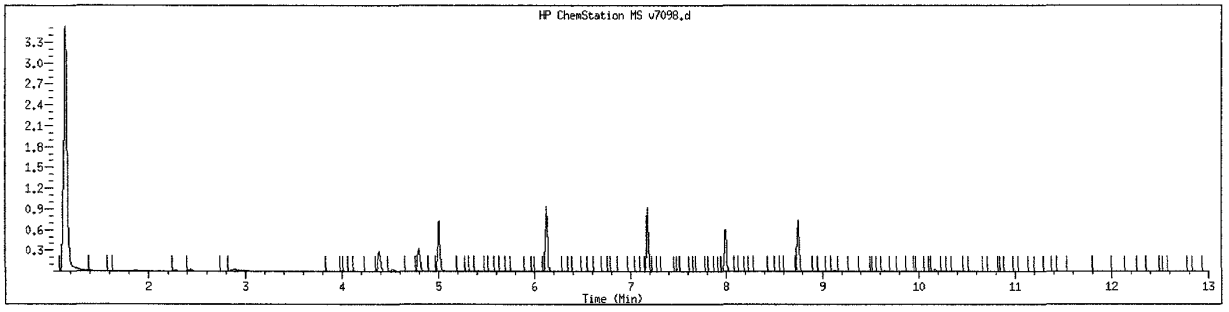
000975

034131

Data file : /var/chem/msv0.i/2061210.b/v7098.d Page: 1
Report Date: 12/11/2006 06:21

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072807 SampleType : SAMPLE
Injection Date: 10-DEC-2006 17:50 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072807*SWSED5-005 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000976

034132

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED6-006 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.98 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 36.2

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072808

Lab File ID: 2061210/v7099

Date Collected: 12/06/06 Time: 0825

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1810

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00787	U	0.000277	0.00787
71-55-6	1,1,1-Trichloroethane	0.00787	U	0.000194	0.00787
79-34-5	1,1,2,2-Tetrachloroethane	0.00787	U	0.000283	0.00787
79-00-5	1,1,2-Trichloroethane	0.00787	U	0.000179	0.00787
75-34-3	1,1-Dichloroethane	0.00787	U	0.000250	0.00787
75-35-4	1,1-Dichloroethene	0.00787	U	0.000565	0.00787
563-58-6	1,1-Dichloropropene	0.00787	U	0.000205	0.00787
96-18-4	1,2,3-Trichloropropane	0.00315	U	0.000386	0.00315
120-82-1	1,2,4-Trichlorobenzene	0.00787	U	0.000515	0.00787
95-63-6	1,2,4-Trimethylbenzene	0.00340	J	0.000312	0.00787
96-12-8	1,2-Dibromo-3-chloropropane	0.00787	U	0.00136	0.00787
106-93-4	1,2-Dibromoethane	0.00787	U	0.000236	0.00787
95-50-1	1,2-Dichlorobenzene	0.00787	U	0.000179	0.00787
107-06-2	1,2-Dichloroethane	0.00787	U	0.000179	0.00787
78-87-5	1,2-Dichloropropane	0.00787	U	0.000176	0.00787
108-67-8	1,3,5-Trimethylbenzene	0.00404	J	0.000257	0.00787
541-73-1	1,3-Dichlorobenzene	0.00787	U	0.000371	0.00787
142-28-9	1,3-Dichloropropane	0.00787	U	0.000214	0.00787
106-46-7	1,4-Dichlorobenzene	0.00787	U	0.000663	0.00787
594-20-7	2,2-Dichloropropane	0.00787	U	0.000277	0.00787
78-93-3	2-Butanone	0.00901	B	0.000491	0.00787
110-75-8	2-Chloroethylvinyl ether	0.00787	U	0.00331	0.00787
95-49-8	2-Chlorotoluene	0.00787	U	0.000236	0.00787
591-78-6	2-Hexanone	0.00787	U	0.00130	0.00787
106-43-4	4-Chlorotoluene	0.00787	U	0.000511	0.00787
99-87-6	4-Isopropyltoluene	0.00787	U	0.000253	0.00787
108-10-1	4-Methyl-2-pentanone	0.00787	U	0.000272	0.00787
67-64-1	Acetone	0.054	B	0.000589	0.039
107-02-8	Acrolein	0.039	U	0.00368	0.039
107-13-1	Acrylonitrile	0.039	U	0.00112	0.039
71-43-2	Benzene	0.00787	U	0.000164	0.00787

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED6-006 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.98 (g/ml) g

Lab Sample ID: 20612072808

Level: (low/med) LOW

Lab File ID: 2061210/v7099

% Moisture: not dec. 36.2

Date Collected: 12/06/06 Time: 0825

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1810

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00787	U	0.000370	0.00787
75-27-4	Bromodichloromethane	0.00787	U	0.000212	0.00787
75-25-2	Bromoform	0.00787	U	0.000266	0.00787
74-83-9	Bromomethane	0.00787	U	0.00237	0.00787
104-51-8	n-Butylbenzene	0.00787	U	0.000280	0.00787
75-15-0	Carbon disulfide	0.00787	U	0.000172	0.00787
56-23-5	Carbon tetrachloride	0.00787	U	0.000189	0.00787
108-90-7	Chlorobenzene	0.00787	U	0.000260	0.00787
75-00-3	Chloroethane	0.00787	U	0.000954	0.00787
67-66-3	Chloroform	0.00787	U	0.000222	0.00787
74-87-3	Chloromethane	0.00787	U	0.000730	0.00787
110-82-7	Cyclohexane	0.00787	U	0.00174	0.00787
124-48-1	Dibromochloromethane	0.00787	U	0.000142	0.00787
74-95-3	Dibromomethane	0.00787	U	0.000245	0.00787
75-71-8	Dichlorodifluoromethane	0.00787	U	0.000573	0.00787
10061-01-5	cis-1,3-Dichloropropene	0.00787	U	0.000181	0.00787
10061-02-6	trans-1,3-Dichloropropene	0.00787	U	0.000222	0.00787
100-41-4	Ethylbenzene	0.00787	U	0.000326	0.00787
87-68-3	Hexachlorobutadiene	0.00787	U	0.00196	0.00787
98-82-8	Isopropylbenzene (Cumene)	0.00787	U	0.000241	0.00787
79-20-9	Methyl Acetate	0.00787	U	0.00241	0.00787
74-88-4	Methyl iodide	0.00787	U	0.00143	0.00787
108-87-2	Methylcyclohexane	0.00787	U	0.000582	0.00787
75-09-2	Methylene chloride	0.016	U	0.000754	0.016
91-20-3	Naphthalene	0.00787	U	0.000592	0.00787
100-42-5	Styrene	0.00787	U	0.000239	0.00787
127-18-4	Tetrachloroethene	0.00787	U	0.000302	0.00787
108-88-3	Toluene	0.00787	U	0.000866	0.00787
79-01-6	Trichloroethene	0.00787	U	0.000279	0.00787
75-69-4	Trichlorofluoromethane	0.00787	U	0.000397	0.00787
76-13-1	Trichlorotrifluoroethane	0.00787	U	0.000296	0.00787
108-05-4	Vinyl acetate	0.00787	U	0.00154	0.00787

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED6-006 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.98 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 36.2

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072808

Lab File ID: 2061210/v7099

Date Collected: 12/06/06 Time: 0825

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1810

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00787	U	0.000552	0.00787
1330-20-7	Xylene (total)	0.00696	J	0.000900	0.016
156-59-2	cis-1,2-Dichloroethene	0.00787	U	0.000198	0.00787
136777-61-	m,p-Xylene	0.00487	J	0.000626	0.00787
71-36-3	n-Butyl alcohol	0.039	U	0.00157	0.039
103-65-1	n-Propylbenzene	0.00787	U	0.000220	0.00787
95-47-6	o-Xylene	0.00208	J	0.000274	0.00787
135-98-8	sec-Butylbenzene	0.00787	U	0.000184	0.00787
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00787	U	0.000116	0.00787
98-06-6	tert-Butylbenzene	0.00787	U	0.000397	0.00787
156-60-5	trans-1,2-Dichloroethene	0.00787	U	0.000258	0.00787
110-57-6	trans-1,4-Dichloro-2-butene	0.00787	U	0.00113	0.00787

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7099.d
Lab Smp Id: 20612072808 Client Smp ID: SWSED6-006 (0-0.5)
Inj Date : 10-DEC-2006 18:10
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072808*SWSED6-006 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 17
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.98000	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
12 Acetone	43	2.862	2.865	(0.571)	94708	34.5835	34.7	8947
$ 41 Dibromofluoromethane	111	4.385	4.388	(0.876)	183825	44.6429	44.8	5432
31 2-Butanone	43	4.511	4.514	(0.901)	52177	5.72248	5.75	
$ 47 1,2-Dichloroethane-d4	67	4.796	4.792	(0.958)	113617	45.9312	46.1	9597
* 49 FLUOROBENZENE	96	5.008	5.004	(1.000)	568436	50.0000		9818
$ 67 Toluene-d8	98	6.127	6.123	(0.854)	494448	44.1702	44.3	9772
* 85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	235914	50.0000		2811
90 p,m-Xylene	106	7.299	7.295	(1.018)	15329	3.10173	3.11	9486(H)
91 o-Xylene	106	7.584	7.587	(1.057)	6665	1.32288	1.33	(H)
$ 98 Bromofluorobenzene	174	7.995	7.991	(1.114)	122893	40.0885	40.2	9190
107 1,3,5-Trimethylbenzene	105	8.134	8.203	(0.930)	19601	2.56714	2.58	
110 1,2,4-Trimethylbenzene	105	8.471	8.468	(0.968)	17038	2.15930	2.17	
* 115 1,4-DICHLOROBENZENE-D4	152	8.750	8.753	(1.000)	145113	50.0000		3584

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
M 127 TOTAL XYLENE	106				21994	4.42461	4.44	0

QC Flag Legend

H - Operator selected an alternate compound hit.

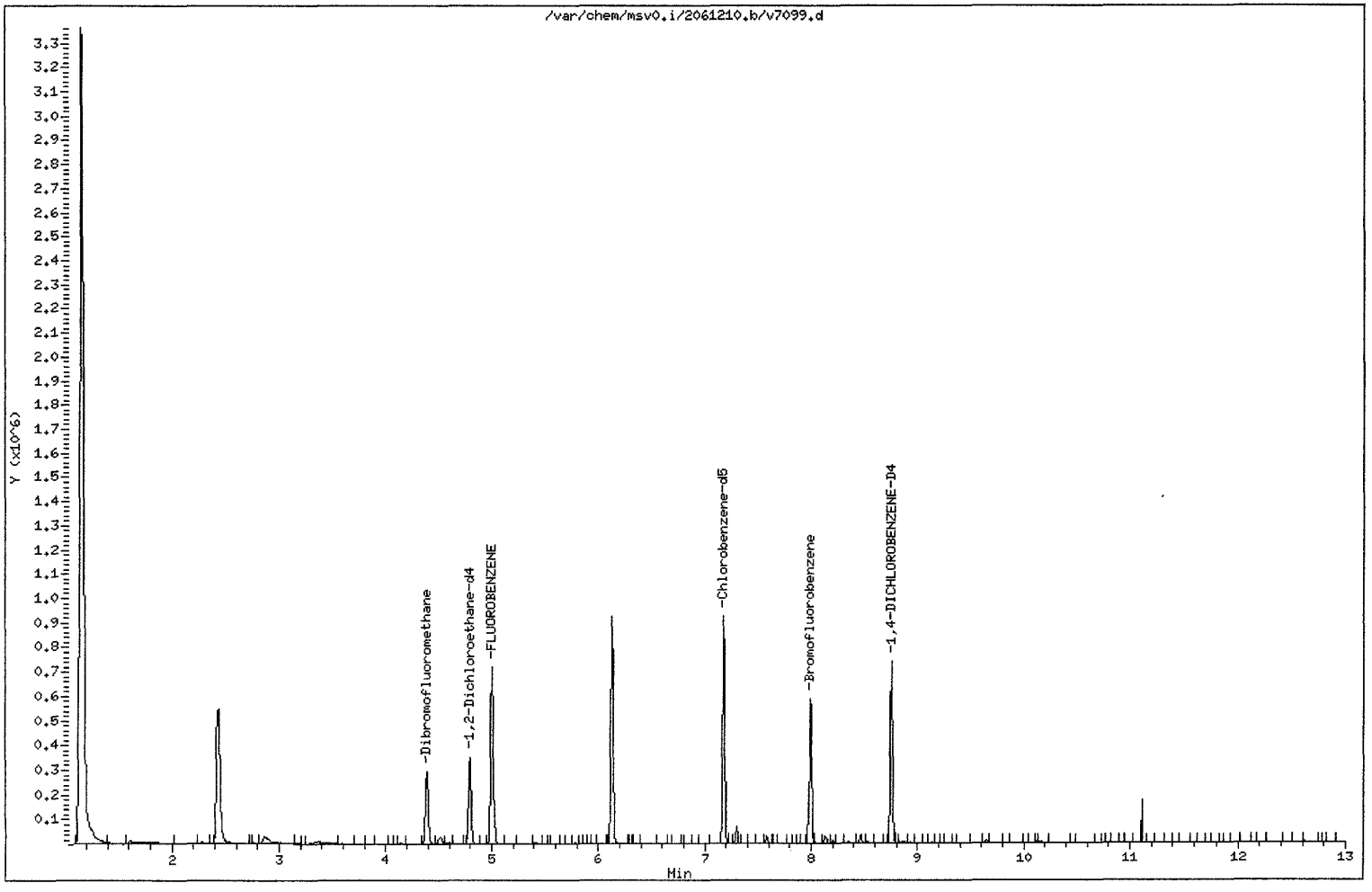
034137

Data File: /var/chem/msv0.i/2061210.b/v7099.d
Date : 10-DEC-2006 18:10
Client ID: SWSED6-006 (0-0.5)
Sample Info: 20612072808*SWSED6-006 (0-0.5)

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

Column phase: DB-624-30M



000082

034138

Data File: /var/chem/msv0.i/2061210.b/v7099.d

Date : 10-DEC-2006 18:10

Client ID: SWSED6-006 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072808*SWSED6-006 (0-0.5)

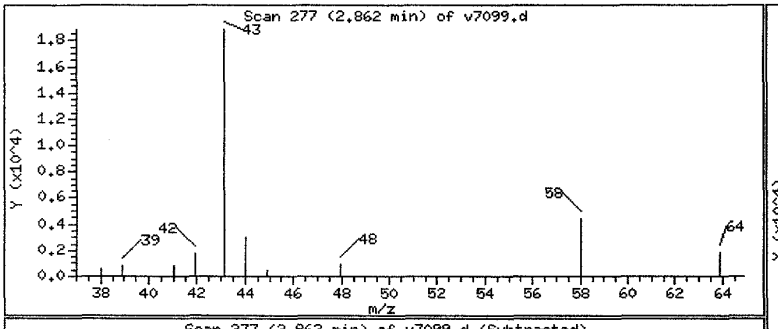
Operator: KCB

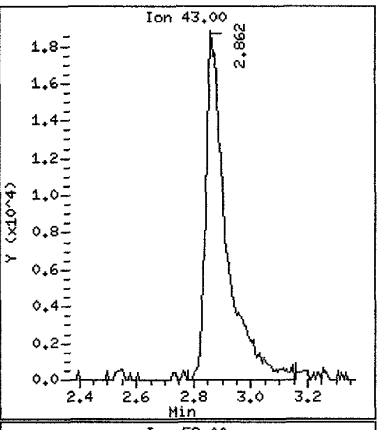
Column phase: DB-624-30M

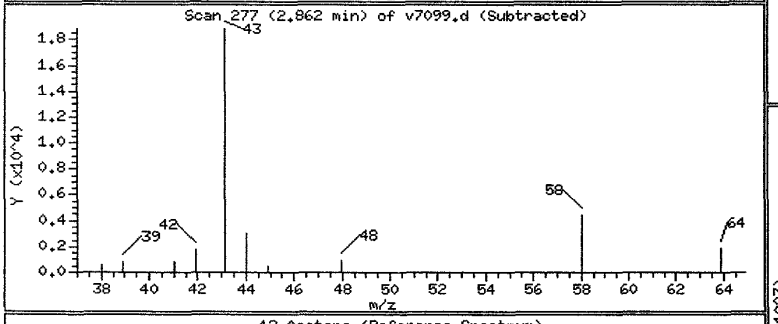
Column diameter: 0.53

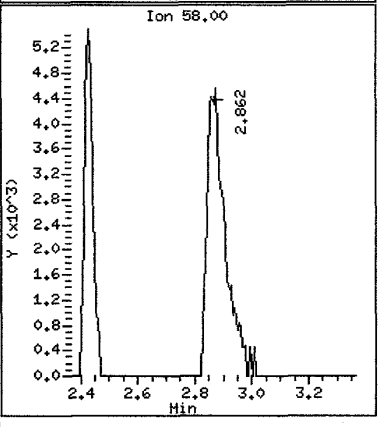
12 Acetone

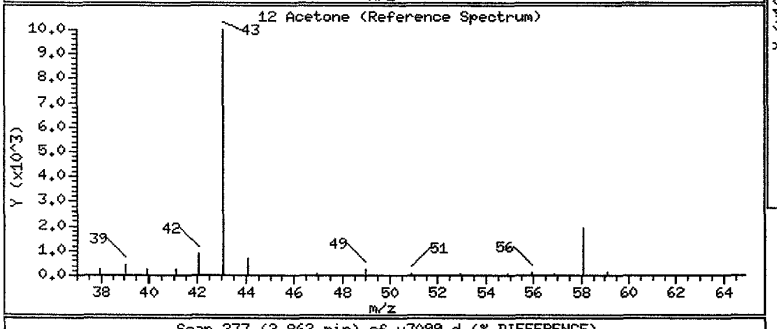
Concentration: 34.7 ug/Kg

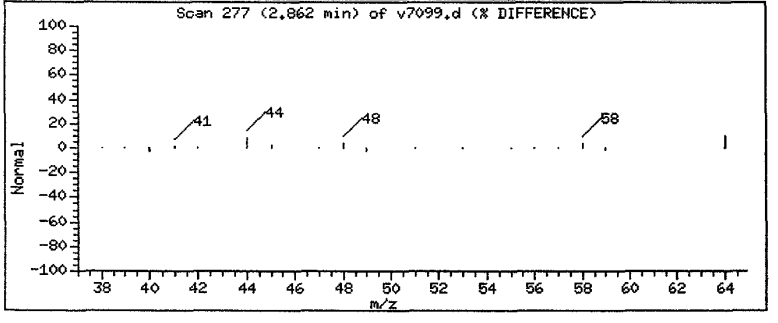












000083

034139

Data File: /var/chem/msv0.i/2061210.b/v7099.d

Date : 10-DEC-2006 18:10

Client ID: SWSED6-006 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072808*SWSED6-006 (0-0.5)

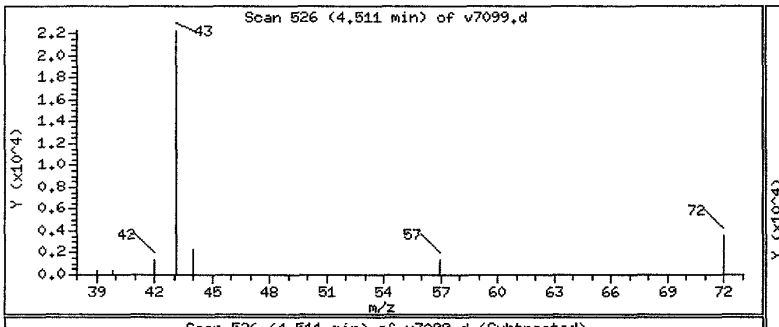
Operator: KCB

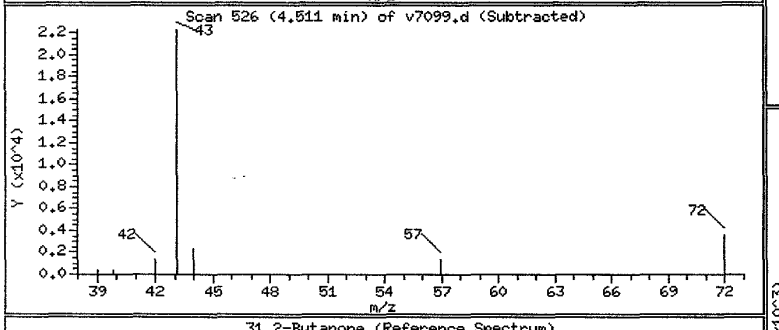
Column phase: DB-624-30M

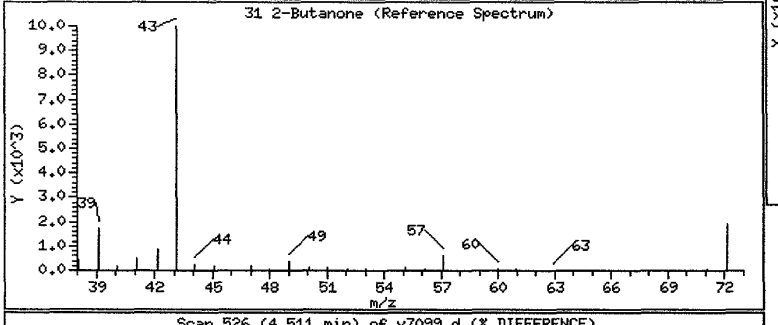
Column diameter: 0.53

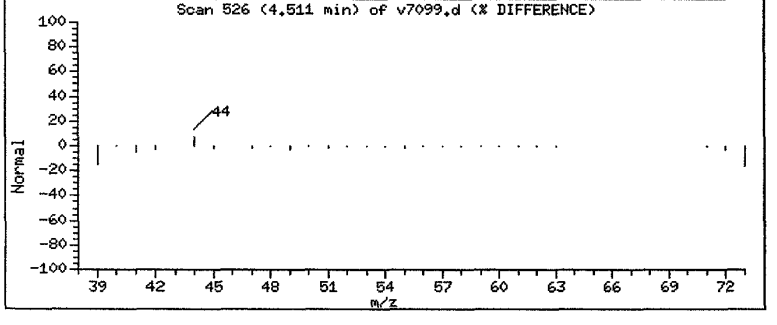
31 2-Butanone

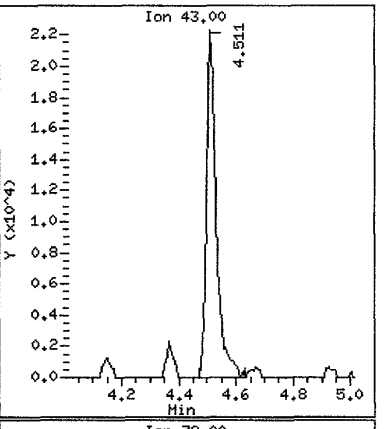
Concentration: 5.75 ug/Kg

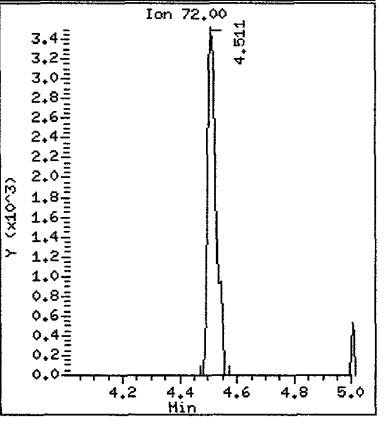












000084

034140

Data File: /var/chem/msv0.i/2061210.b/v7099.d

Date : 10-DEC-2006 18:10

Client ID: SWSED6-006 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072808*SWSED6-006 (0-0.5)

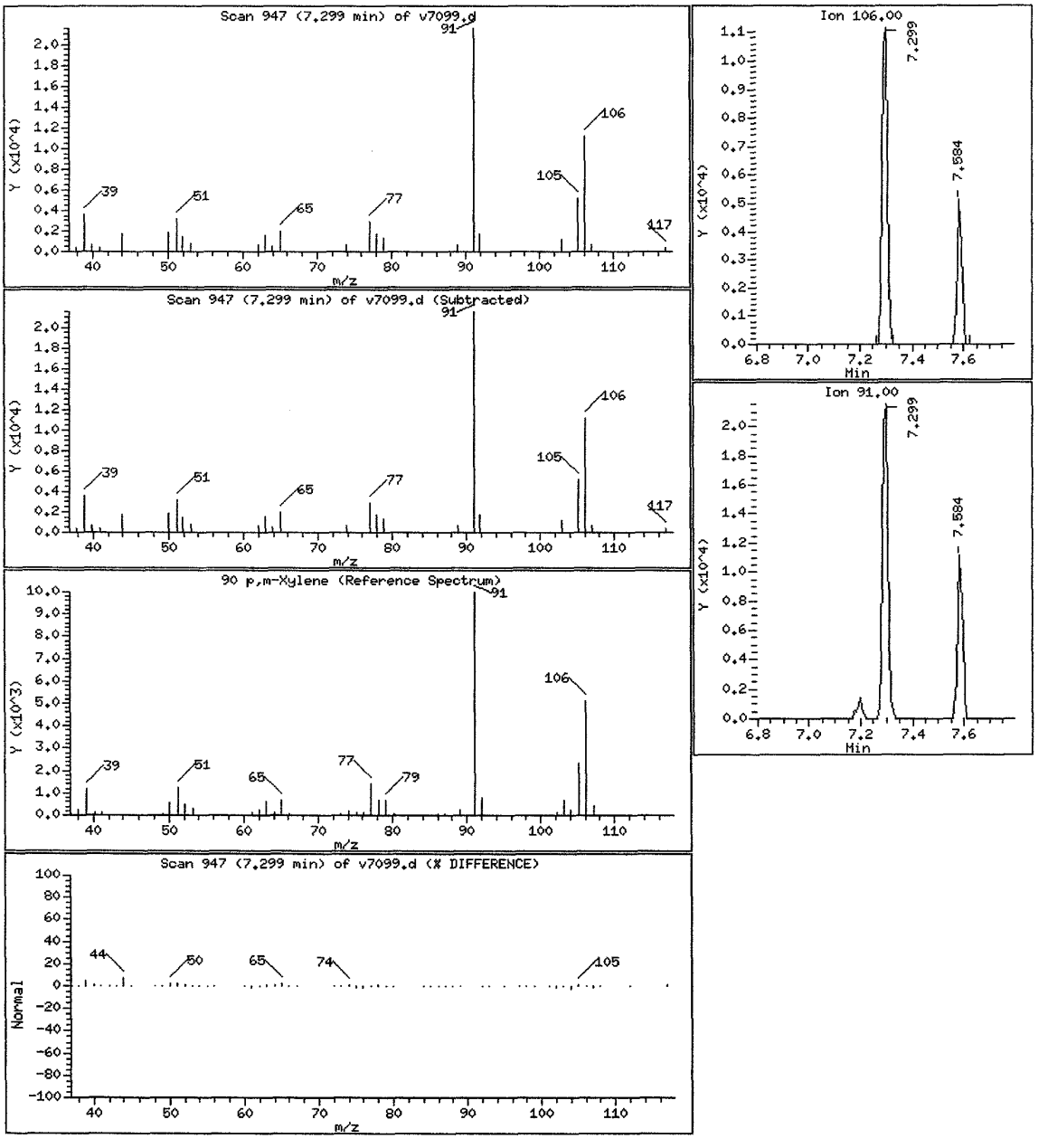
Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

90 p,m-Xylene

Concentration: 3.11 ug/Kg



Data File: /var/chem/msv0.i/2061210.b/v7099.d

Date : 10-DEC-2006 18:10

Client ID: SWSED6-006 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072808*SWSED6-006 (0-0.5)

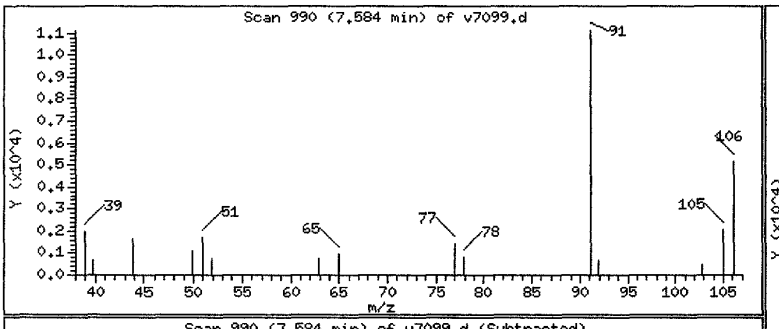
Operator: KCB

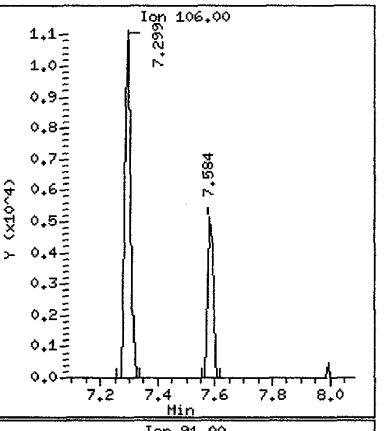
Column phase: DB-624-30M

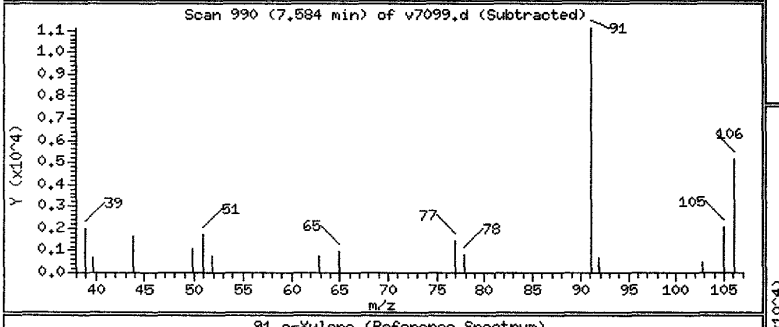
Column diameter: 0.53

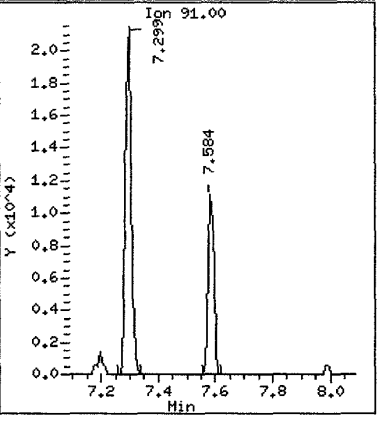
91 o-Xylene

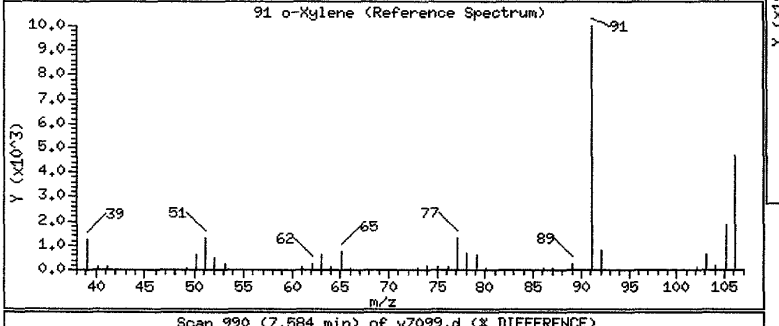
Concentration: 1.33 ug/Kg

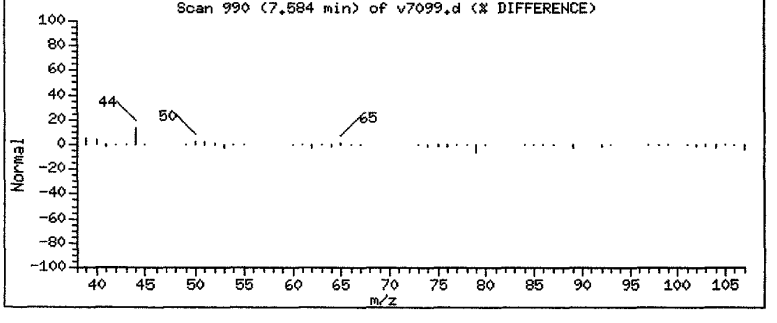












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034142

Data File: /var/chem/msv0.i/2061210.b/v7099.d

Date : 10-DEC-2006 18:10

Client ID: SWSED6-006 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072808*SWSED6-006 (0-0.5)

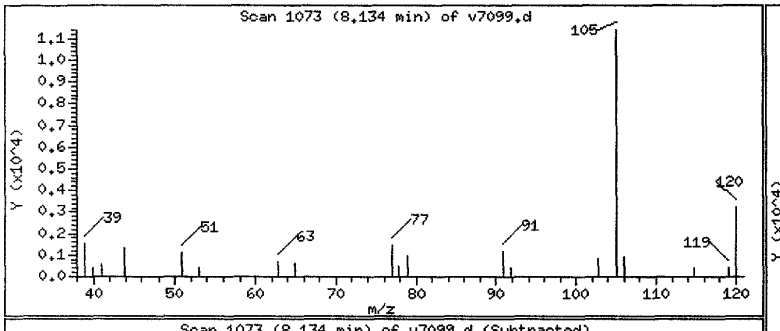
Operator: KCB

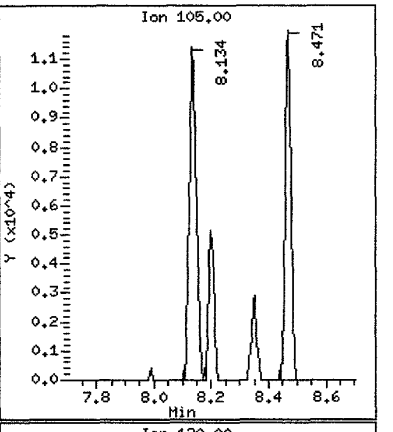
Column phase: DB-624-30M

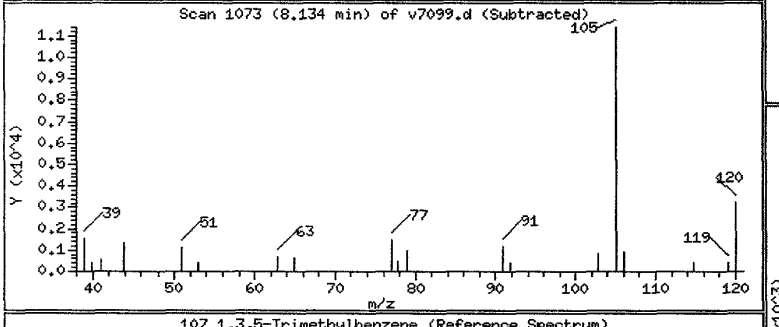
Column diameter: 0.53

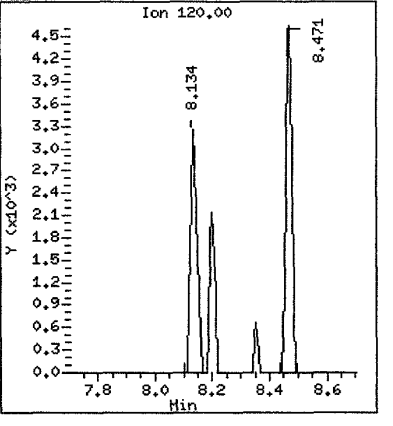
107 1,3,5-Trimethylbenzene

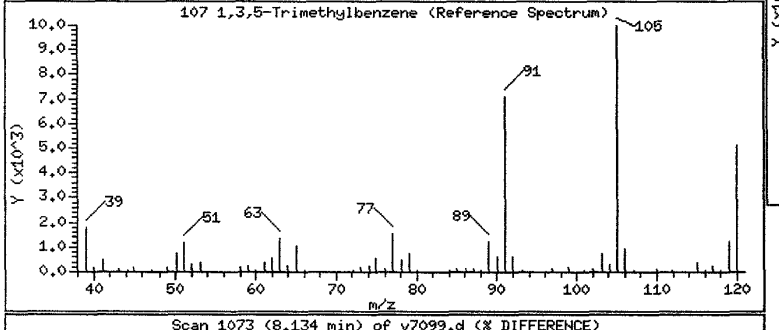
Concentration: 2.58 ug/Kg

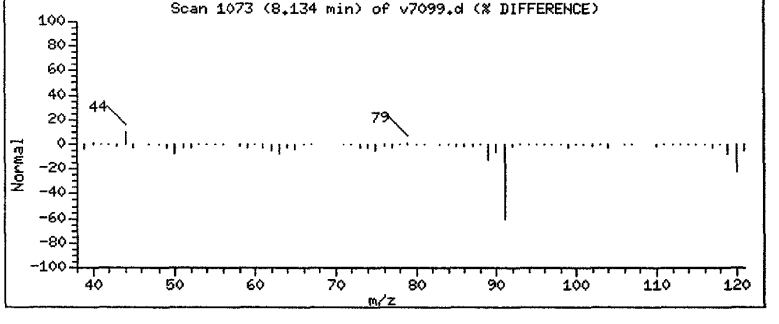












Data File: /var/chem/msv0.i/2061210.b/v7099.d

Date : 10-DEC-2006 18:10

Client ID: SWSED6-006 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072808*SWSED6-006 (0-0.5)

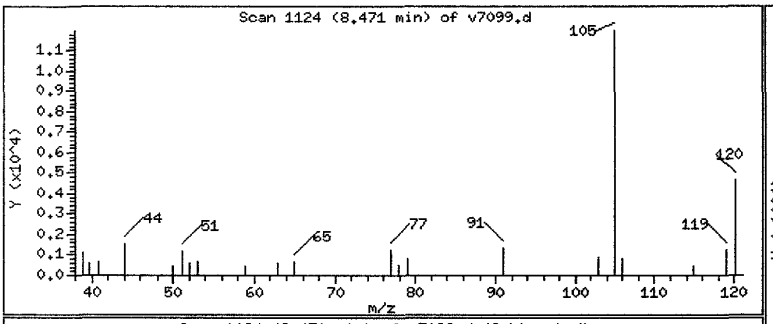
Operator: KCB

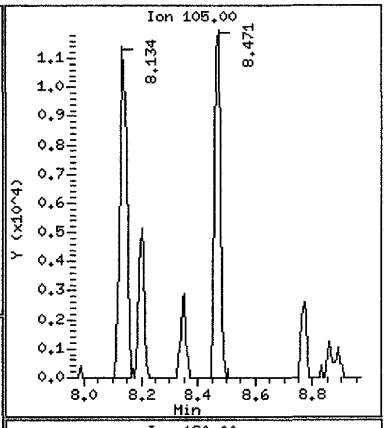
Column phase: DB-624-30M

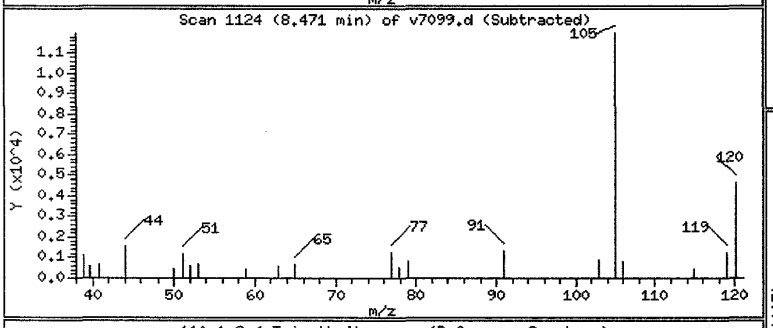
Column diameter: 0.53

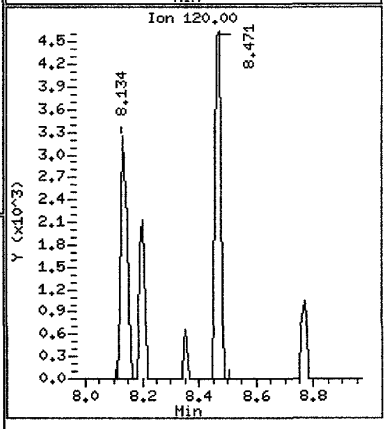
110 1,2,4-Trimethylbenzene

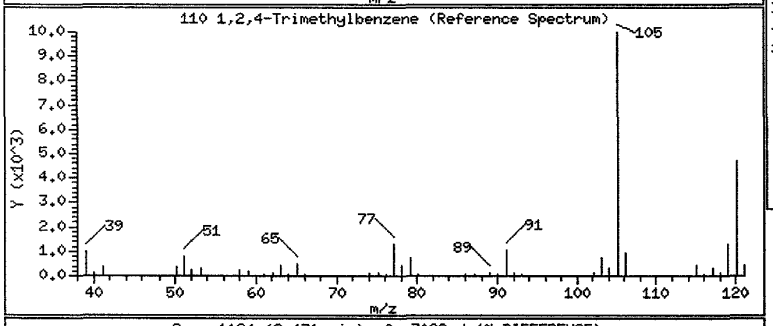
Concentration: 2.17 ug/Kg

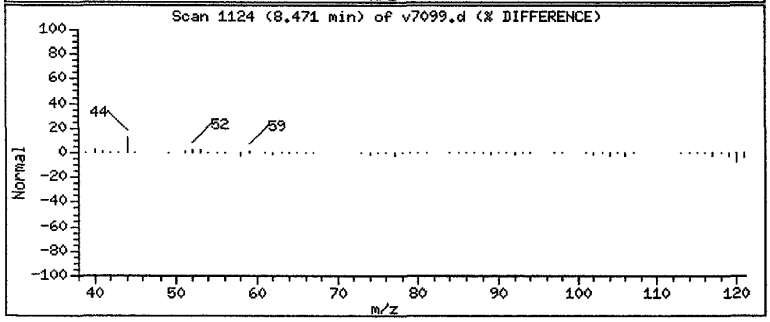






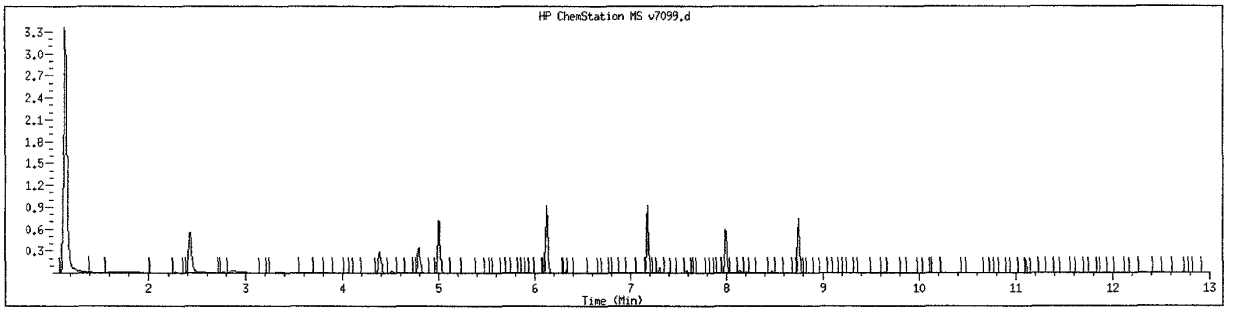






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072808 SampleType : SAMPLE
Injection Date: 10-DEC-2006 18:10 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072808*SWSED6-006 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

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1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9-009 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.06 (g/ml) g

Lab Sample ID: 20612072809

Level: (low/med) LOW

Lab File ID: 2061210/v7100

% Moisture: not dec. 17.5

Date Collected: 12/06/06 Time: 1020

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1831

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00599	U	0.000211	0.00599
71-55-6	1,1,1-Trichloroethane	0.00599	U	0.000147	0.00599
79-34-5	1,1,2,2-Tetrachloroethane	0.00599	U	0.000216	0.00599
79-00-5	1,1,2-Trichloroethane	0.00599	U	0.000137	0.00599
75-34-3	1,1-Dichloroethane	0.00599	U	0.000191	0.00599
75-35-4	1,1-Dichloroethene	0.00599	U	0.000430	0.00599
563-58-6	1,1-Dichloropropene	0.00599	U	0.000156	0.00599
96-18-4	1,2,3-Trichloropropane	0.00240	U	0.000294	0.00240
120-82-1	1,2,4-Trichlorobenzene	0.00599	U	0.000392	0.00599
95-63-6	1,2,4-Trimethylbenzene	0.00599	U	0.000237	0.00599
96-12-8	1,2-Dibromo-3-chloropropane	0.00599	U	0.00104	0.00599
106-93-4	1,2-Dibromoethane	0.00599	U	0.000180	0.00599
95-50-1	1,2-Dichlorobenzene	0.00599	U	0.000137	0.00599
107-06-2	1,2-Dichloroethane	0.00599	U	0.000137	0.00599
78-87-5	1,2-Dichloropropane	0.00599	U	0.000134	0.00599
108-67-8	1,3,5-Trimethylbenzene	0.00599	U	0.000195	0.00599
541-73-1	1,3-Dichlorobenzene	0.00599	U	0.000283	0.00599
142-28-9	1,3-Dichloropropane	0.00599	U	0.000163	0.00599
106-46-7	1,4-Dichlorobenzene	0.00599	U	0.000505	0.00599
594-20-7	2,2-Dichloropropane	0.00599	U	0.000211	0.00599
78-93-3	2-Butanone	0.00223	JB	0.000374	0.00599
110-75-8	2-Chloroethylvinyl ether	0.00599	U	0.00252	0.00599
95-49-8	2-Chlorotoluene	0.00599	U	0.000180	0.00599
591-78-6	2-Hexanone	0.00599	U	0.000990	0.00599
106-43-4	4-Chlorotoluene	0.00599	U	0.000389	0.00599
99-87-6	4-Isopropyltoluene	0.00599	U	0.000193	0.00599
108-10-1	4-Methyl-2-pentanone	0.00599	U	0.000207	0.00599
67-64-1	Acetone	0.020	JB	0.000448	0.030
107-02-8	Acrolein	0.030	U	0.00280	0.030
107-13-1	Acrylonitrile	0.030	U	0.000853	0.030
71-43-2	Benzene	0.00599	U	0.000125	0.00599

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9-009 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.06 (g/ml) g

Lab Sample ID: 20612072809

Level: (low/med) LOW

Lab File ID: 2061210/v7100

% Moisture: not dec. 17.5

Date Collected: 12/06/06 Time: 1020

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1831

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00599	U	0.000282	0.00599
75-27-4	Bromodichloromethane	0.00599	U	0.000162	0.00599
75-25-2	Bromoform	0.00599	U	0.000203	0.00599
74-83-9	Bromomethane	0.00599	U	0.00180	0.00599
104-51-8	n-Butylbenzene	0.00599	U	0.000213	0.00599
75-15-0	Carbon disulfide	0.00599	U	0.000131	0.00599
56-23-5	Carbon tetrachloride	0.00599	U	0.000144	0.00599
108-90-7	Chlorobenzene	0.00599	U	0.000198	0.00599
75-00-3	Chloroethane	0.00599	U	0.000726	0.00599
67-66-3	Chloroform	0.00599	U	0.000169	0.00599
74-87-3	Chloromethane	0.00599	U	0.000556	0.00599
110-82-7	Cyclohexane	0.00599	U	0.00133	0.00599
124-48-1	Dibromochloromethane	0.00599	U	0.000108	0.00599
74-95-3	Dibromomethane	0.00599	U	0.000187	0.00599
75-71-8	Dichlorodifluoromethane	0.00599	U	0.000436	0.00599
10061-01-5	cis-1,3-Dichloropropene	0.00599	U	0.000138	0.00599
10061-02-6	trans-1,3-Dichloropropene	0.00599	U	0.000169	0.00599
100-41-4	Ethylbenzene	0.00599	U	0.000248	0.00599
87-68-3	Hexachlorobutadiene	0.00599	U	0.00149	0.00599
98-82-8	Isopropylbenzene (Cumene)	0.00599	U	0.000183	0.00599
79-20-9	Methyl Acetate	0.00599	U	0.00183	0.00599
74-88-4	Methyl iodide	0.00599	U	0.00109	0.00599
108-87-2	Methylcyclohexane	0.00599	U	0.000443	0.00599
75-09-2	Methylene chloride	0.00126	JB	0.000574	0.012
91-20-3	Naphthalene	0.00599	U	0.000451	0.00599
100-42-5	Styrene	0.00599	U	0.000182	0.00599
127-18-4	Tetrachloroethene	0.00599	U	0.000230	0.00599
108-88-3	Toluene	0.00599	U	0.000659	0.00599
79-01-6	Trichloroethene	0.00599	U	0.000212	0.00599
75-69-4	Trichlorofluoromethane	0.00599	U	0.000302	0.00599
76-13-1	Trichlorotrifluoroethane	0.00599	U	0.000225	0.00599
108-05-4	Vinyl acetate	0.00599	U	0.00117	0.00599

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED9-009 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.06 (g/ml) g

Lab Sample ID: 20612072809

Level: (low/med) LOW

Lab File ID: 2061210/v7100

% Moisture: not dec. 17.5

Date Collected: 12/06/06 Time: 1020

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1831

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00599	U	0.000421	0.00599
1330-20-7	Xylene (total)	0.012	U	0.000685	0.012
156-59-2	cis-1,2-Dichloroethene	0.00599	U	0.000151	0.00599
136777-61-	m,p-Xylene	0.00599	U	0.000477	0.00599
71-36-3	n-Butyl alcohol	0.030	U	0.00120	0.030
103-65-1	n-Propylbenzene	0.00599	U	0.000168	0.00599
95-47-6	o-Xylene	0.00599	U	0.000209	0.00599
135-98-8	sec-Butylbenzene	0.00599	U	0.000140	0.00599
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00599	U	0.000088	0.00599
98-06-6	tert-Butylbenzene	0.00599	U	0.000302	0.00599
156-60-5	trans-1,2-Dichloroethene	0.00599	U	0.000197	0.00599
110-57-6	trans-1,4-Dichloro-2-butene	0.00599	U	0.000864	0.00599

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7100.d
Lab Smp Id: 20612072809 Client Smp ID: SWSED9-009 (0-0.5)
Inj Date : 10-DEC-2006 18:31
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072809*SWSED9-009 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 18
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.06000	Weight of sample extracted (g)

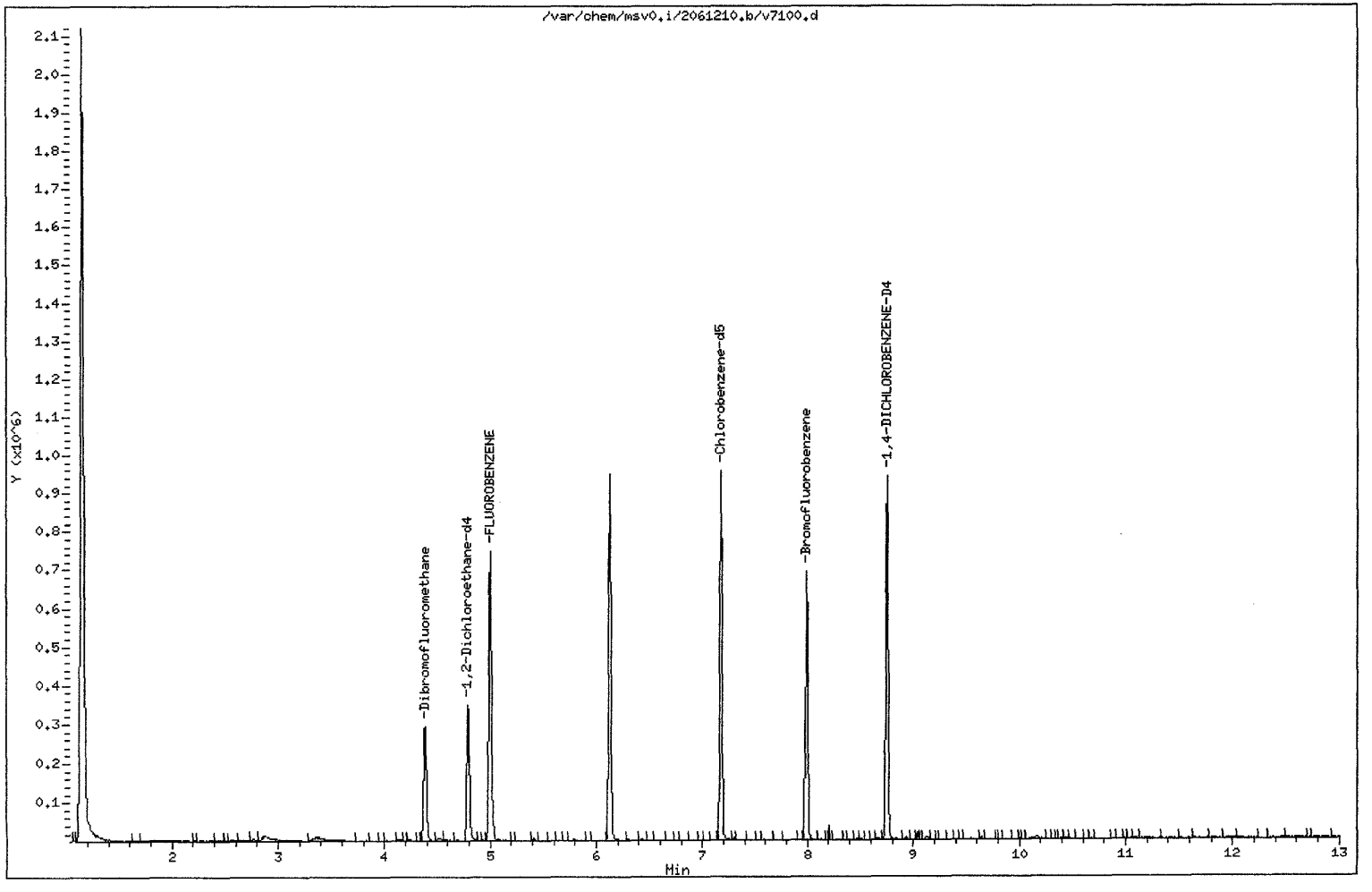
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
18 Methylene Chloride	49	2.765	2.765	(0.553)	3087	1.05096	1.04	5767
12 Acetone	43	2.884	2.865	(0.576)	50097	16.2619	16.1	8304
$ 41 Dibromofluoromethane	111	4.387	4.388	(0.877)	184540	45.0446	44.5	5432
31 2-Butanone	43	4.520	4.514	(0.903)	16906	1.86359	1.84	
$ 47 1,2-Dichloroethane-d4	67	4.791	4.792	(0.958)	114232	46.4148	45.9	9497
* 49 FLUOROBENZENE	96	5.003	5.004	(1.000)	565558	50.0000		9777
$ 67 Toluene-d8	98	6.123	6.123	(0.853)	502503	42.9072	42.4	9747
* 85 Chlorobenzene-d5	82	7.176	7.176	(1.000)	246815	50.0000		2829
$ 98 Bromofluorobenzene	174	7.990	7.991	(1.114)	137996	43.0270	42.5	8949
* 115 1,4-DICHLOROBENZENE-D4	152	8.752	8.753	(1.000)	183780	50.0000		3629

Data File: /var/chem/msv0.i/2061210.b/v7100.d
Date : 10-DEC-2006 18:31
Client ID: SWSED9-009 (0-0.5)
Sample Info: 20612072809*SWSED9-009 (0-0.5)

Instrument: msv0.i
Operator: KCB
Column diameter: 0.53

Column phase: DB-624-30M



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034150

Data File: /var/chem/msv0.i/2061210.b/v7100.d

Date : 10-DEC-2006 18:31

Client ID: SWSED9-009 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072809*SWSED9-009 (0-0.5)

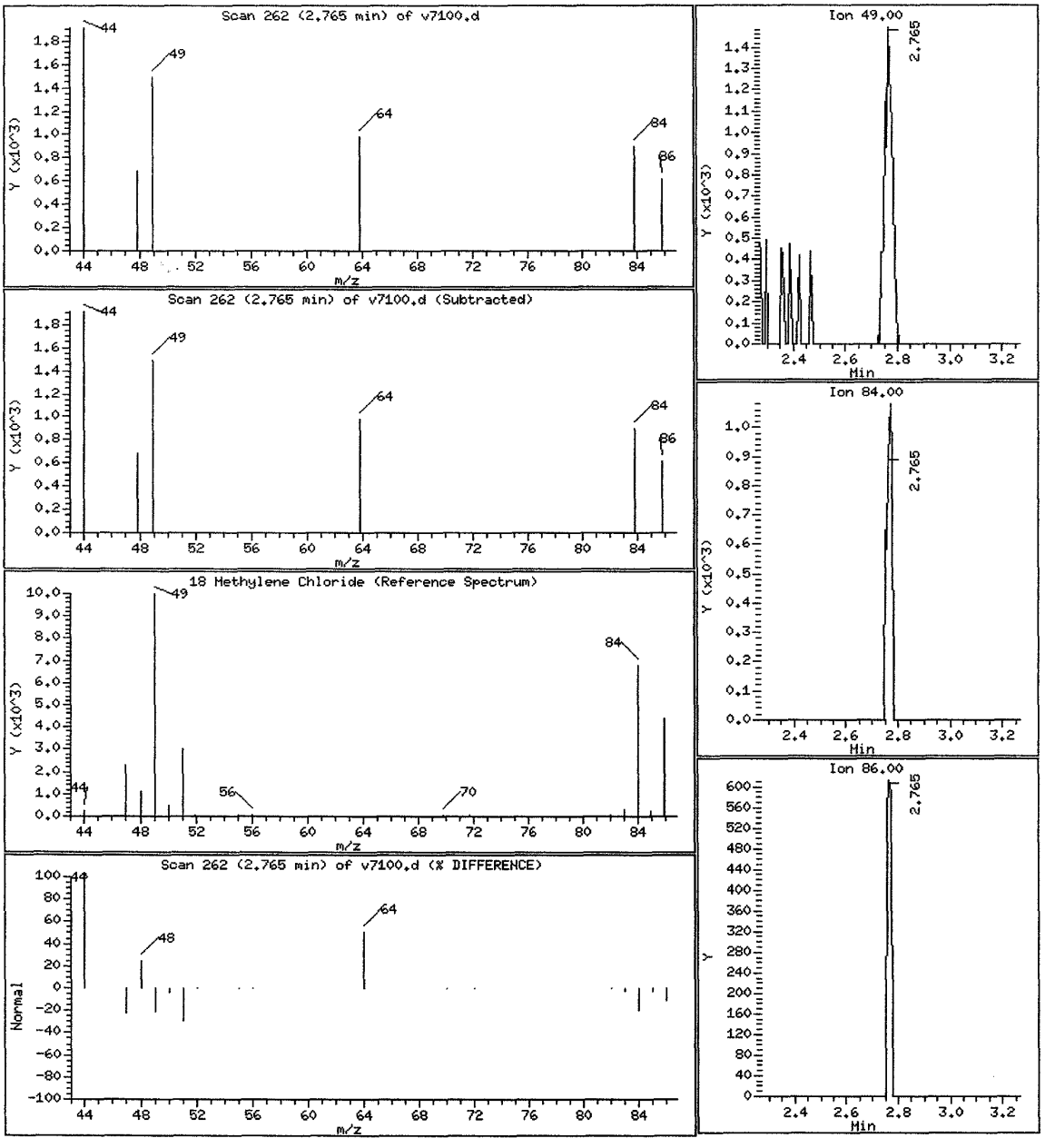
Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

18 Methylene Chloride

Concentration: 1.04 ug/Kg



Data File: /var/chem/msv0.i/2061210.b/v7100.d

Date : 10-DEC-2006 18:31

Client ID: SWSED9-009 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072809*SWSED9-009 (0-0.5)

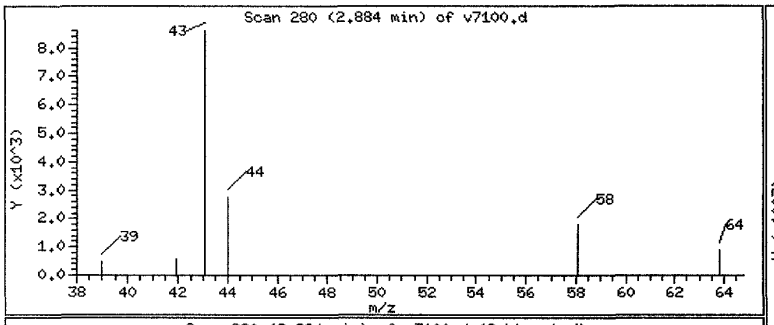
Operator: KCB

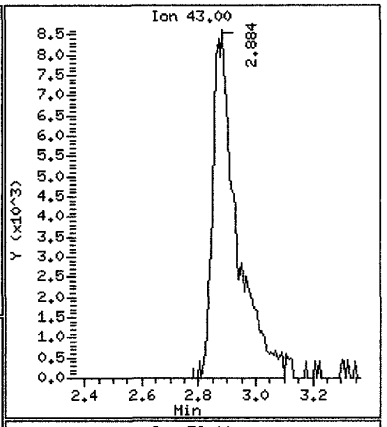
Column phase: DB-624-30M

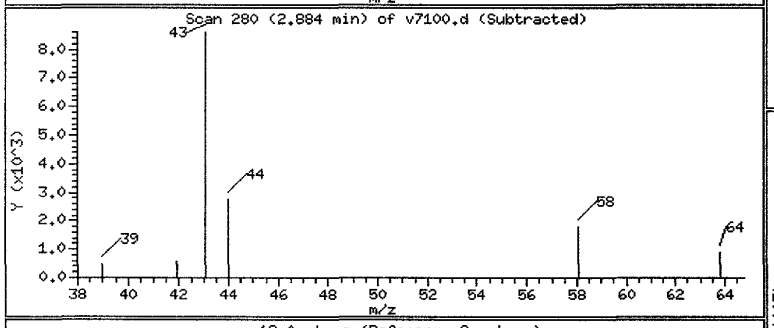
Column diameter: 0.53

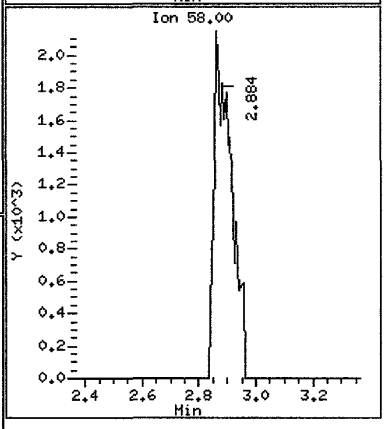
12 Acetone

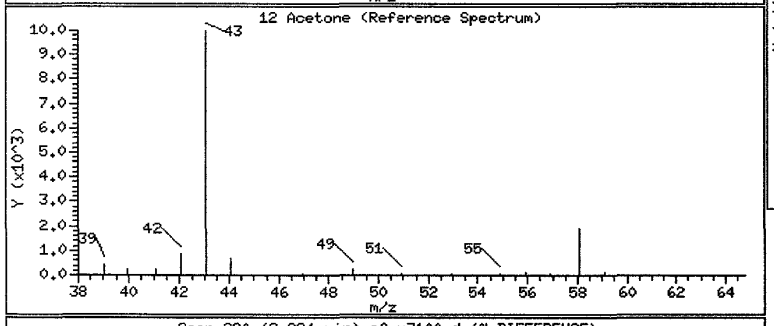
Concentration: 16.1 ug/Kg

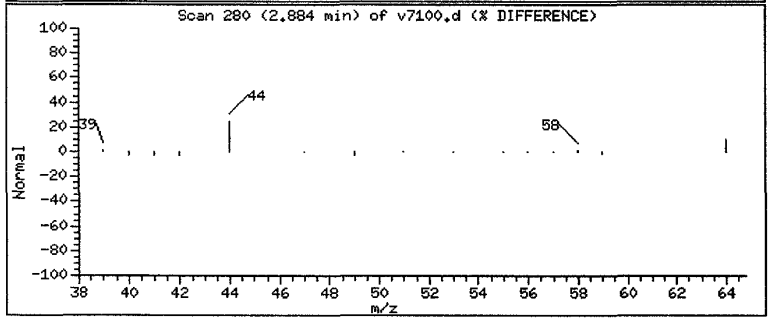












000096

034152

Data File: /var/chem/msv0.i/2061210.b/v7100.d

Date : 10-DEC-2006 18:31

Client ID: SWSED9-009 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072809*SWSED9-009 (0-0.5)

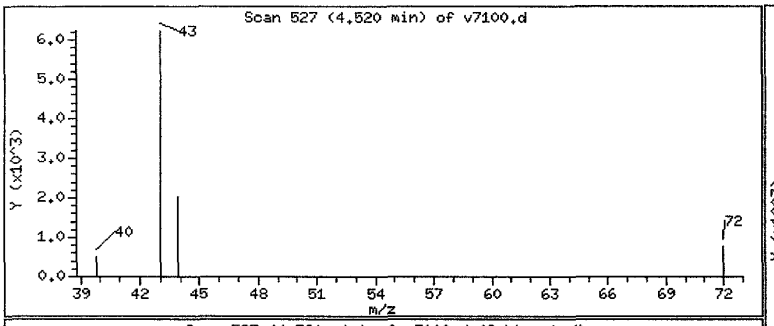
Operator: KCB

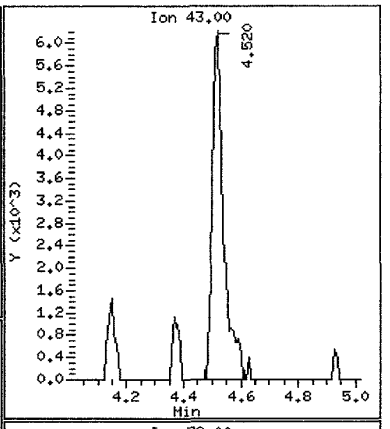
Column phase: DB-624-30M

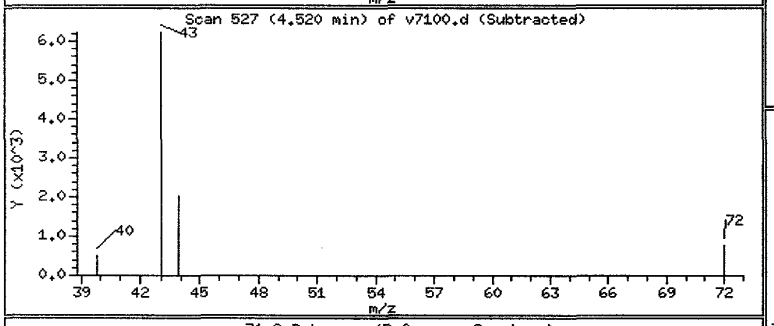
Column diameter: 0.53

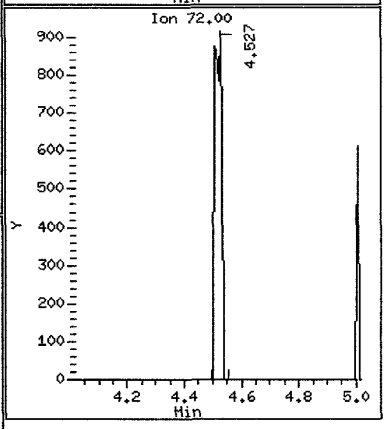
31 2-Butanone

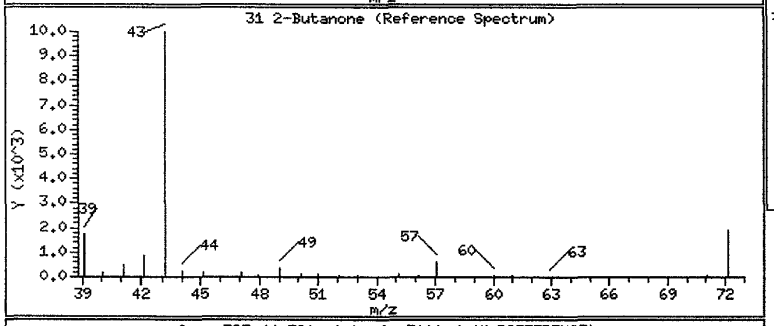
Concentration: 1.84 ug/Kg

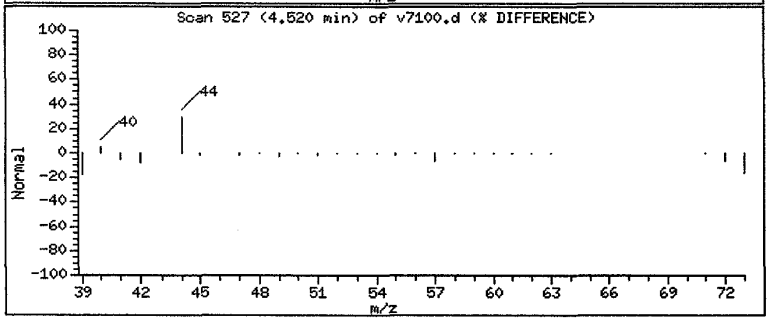










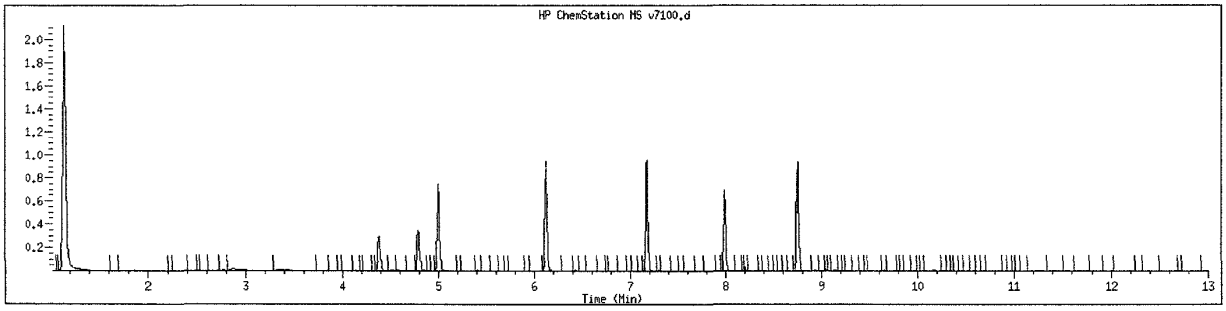


000097

Data file : /var/chem/msv0.i/2061210.b/v7100.d Page: 1
Report Date: 12/11/2006 06:22

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072809 SampleType : SAMPLE
Injection Date: 10-DEC-2006 18:31 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072809*SWSED9-009 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED10-010 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.04 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 26.8

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072810

Lab File ID: 2061210/v7101

Date Collected: 12/06/06 Time: 0930

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1851

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00678	U	0.000239	0.00678
71-55-6	1,1,1-Trichloroethane	0.00678	U	0.000167	0.00678
79-34-5	1,1,2,2-Tetrachloroethane	0.00678	U	0.000244	0.00678
79-00-5	1,1,2-Trichloroethane	0.00678	U	0.000155	0.00678
75-34-3	1,1-Dichloroethane	0.00678	U	0.000216	0.00678
75-35-4	1,1-Dichloroethene	0.00678	U	0.000487	0.00678
563-58-6	1,1-Dichloropropene	0.00678	U	0.000176	0.00678
96-18-4	1,2,3-Trichloropropane	0.00271	U	0.000332	0.00271
120-82-1	1,2,4-Trichlorobenzene	0.00678	U	0.000443	0.00678
95-63-6	1,2,4-Trimethylbenzene	0.00678	U	0.000268	0.00678
96-12-8	1,2-Dibromo-3-chloropropane	0.00678	U	0.00117	0.00678
106-93-4	1,2-Dibromoethane	0.00678	U	0.000203	0.00678
95-50-1	1,2-Dichlorobenzene	0.00678	U	0.000155	0.00678
107-06-2	1,2-Dichloroethane	0.00678	U	0.000155	0.00678
78-87-5	1,2-Dichloropropane	0.00678	U	0.000152	0.00678
108-67-8	1,3,5-Trimethylbenzene	0.00678	U	0.000221	0.00678
541-73-1	1,3-Dichlorobenzene	0.00678	U	0.000320	0.00678
142-28-9	1,3-Dichloropropane	0.00678	U	0.000184	0.00678
106-46-7	1,4-Dichlorobenzene	0.00678	U	0.000571	0.00678
594-20-7	2,2-Dichloropropane	0.00678	U	0.000239	0.00678
78-93-3	2-Butanone	0.00269	JB	0.000423	0.00678
110-75-8	2-Chloroethylvinyl ether	0.00678	U	0.00285	0.00678
95-49-8	2-Chlorotoluene	0.00678	U	0.000203	0.00678
591-78-6	2-Hexanone	0.00678	U	0.00112	0.00678
106-43-4	4-Chlorotoluene	0.00678	U	0.000441	0.00678
99-87-6	4-Isopropyltoluene	0.00678	U	0.000218	0.00678
108-10-1	4-Methyl-2-pentanone	0.00678	U	0.000234	0.00678
67-64-1	Acetone	0.022	JB	0.000507	0.034
107-02-8	Acrolein	0.034	U	0.00317	0.034
107-13-1	Acrylonitrile	0.034	U	0.000965	0.034
71-43-2	Benzene	0.00678	U	0.000141	0.00678

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED10-010 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.04 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 26.8

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072810

Lab File ID: 2061210/v7101

Date Collected: 12/06/06 Time: 0930

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1851

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00678	U	0.000319	0.00678
75-27-4	Bromodichloromethane	0.00678	U	0.000183	0.00678
75-25-2	Bromoform	0.00678	U	0.000229	0.00678
74-83-9	Bromomethane	0.00678	U	0.00204	0.00678
104-51-8	n-Butylbenzene	0.00678	U	0.000241	0.00678
75-15-0	Carbon disulfide	0.00678	U	0.000148	0.00678
56-23-5	Carbon tetrachloride	0.00678	U	0.000163	0.00678
108-90-7	Chlorobenzene	0.00678	U	0.000224	0.00678
75-00-3	Chloroethane	0.00678	U	0.000821	0.00678
67-66-3	Chloroform	0.00678	U	0.000191	0.00678
74-87-3	Chloromethane	0.00678	U	0.000629	0.00678
110-82-7	Cyclohexane	0.00678	U	0.00150	0.00678
124-48-1	Dibromochloromethane	0.00678	U	0.000122	0.00678
74-95-3	Dibromomethane	0.00678	U	0.000211	0.00678
75-71-8	Dichlorodifluoromethane	0.00678	U	0.000493	0.00678
10061-01-5	cis-1,3-Dichloropropene	0.00678	U	0.000156	0.00678
10061-02-6	trans-1,3-Dichloropropene	0.00678	U	0.000191	0.00678
100-41-4	Ethylbenzene	0.00678	U	0.000281	0.00678
87-68-3	Hexachlorobutadiene	0.00678	U	0.00169	0.00678
98-82-8	Isopropylbenzene (Cumene)	0.00678	U	0.000207	0.00678
79-20-9	Methyl Acetate	0.00678	U	0.00207	0.00678
74-88-4	Methyl iodide	0.00678	U	0.00123	0.00678
108-87-2	Methylcyclohexane	0.00678	U	0.000502	0.00678
75-09-2	Methylene chloride	0.014	U	0.000649	0.014
91-20-3	Naphthalene	0.00678	U	0.000510	0.00678
100-42-5	Styrene	0.00678	U	0.000206	0.00678
127-18-4	Tetrachloroethene	0.00678	U	0.000260	0.00678
108-88-3	Toluene	0.00678	U	0.000745	0.00678
79-01-6	Trichloroethene	0.00678	U	0.000240	0.00678
75-69-4	Trichlorofluoromethane	0.00678	U	0.000342	0.00678
76-13-1	Trichlorotrifluoroethane	0.00678	U	0.000255	0.00678
108-05-4	Vinyl acetate	0.00678	U	0.00133	0.00678

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED10-010 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.04 (g/ml) g

Lab Sample ID: 20612072810

Level: (low/med) LOW

Lab File ID: 2061210/v7101

% Moisture: not dec. 26.8

Date Collected: 12/06/06 Time: 0930

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1851

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00678	U	0.000476	0.00678
1330-20-7	Xylene (total)	0.014	U	0.000775	0.014
156-59-2	cis-1,2-Dichloroethene	0.00678	U	0.000171	0.00678
136777-61-	m,p-Xylene	0.00678	U	0.000539	0.00678
71-36-3	n-Butyl alcohol	0.034	U	0.00136	0.034
103-65-1	n-Propylbenzene	0.00678	U	0.000190	0.00678
95-47-6	o-Xylene	0.00678	U	0.000236	0.00678
135-98-8	sec-Butylbenzene	0.00678	U	0.000159	0.00678
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00678	U	0.000100	0.00678
98-06-6	tert-Butylbenzene	0.00678	U	0.000342	0.00678
156-60-5	trans-1,2-Dichloroethene	0.00678	U	0.000222	0.00678
110-57-6	trans-1,4-Dichloro-2-butene	0.00678	U	0.000977	0.00678

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7101.d
Lab Smp Id: 20612072810 Client Smp ID: SWSED10-010 (0-0.5)
Inj Date : 10-DEC-2006 18:51
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072810*SWSED10-010 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 19
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.04000	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
12 Acetone	43	2.894	2.865	(0.578)	49212	16.2790	16.1	7929
$ 41 Dibromofluoromethane	111	4.384	4.388	(0.876)	184490	45.8829	45.5	5432
31 2-Butanone	43	4.523	4.514	(0.903)	17689	1.98673	1.97	
$ 47 1,2-Dichloroethane-d4	67	4.795	4.792	(0.958)	111597	46.2006	45.8	9564
* 49 FLUOROBENZENE	96	5.007	5.004	(1.000)	555074	50.0000		9817
$ 67 Toluene-d8	98	6.126	6.123	(0.854)	495992	42.8311	42.5	9800
* 85 Chlorobenzene-d5	82	7.172	7.176	(1.000)	244050	50.0000		2860
$ 98 Bromofluorobenzene	174	7.994	7.991	(1.115)	133101	41.9709	41.6	9161
* 115 1,4-DICHLOROBENZENE-D4	152	8.749	8.753	(1.000)	175394	50.0000		3615

034158

Data File: /var/chem/msv0.i/2061210.b/v7101.d

Page 1

Date : 10-DEC-2006 18:51

Client ID: SWSED10-010 (0-0.5)

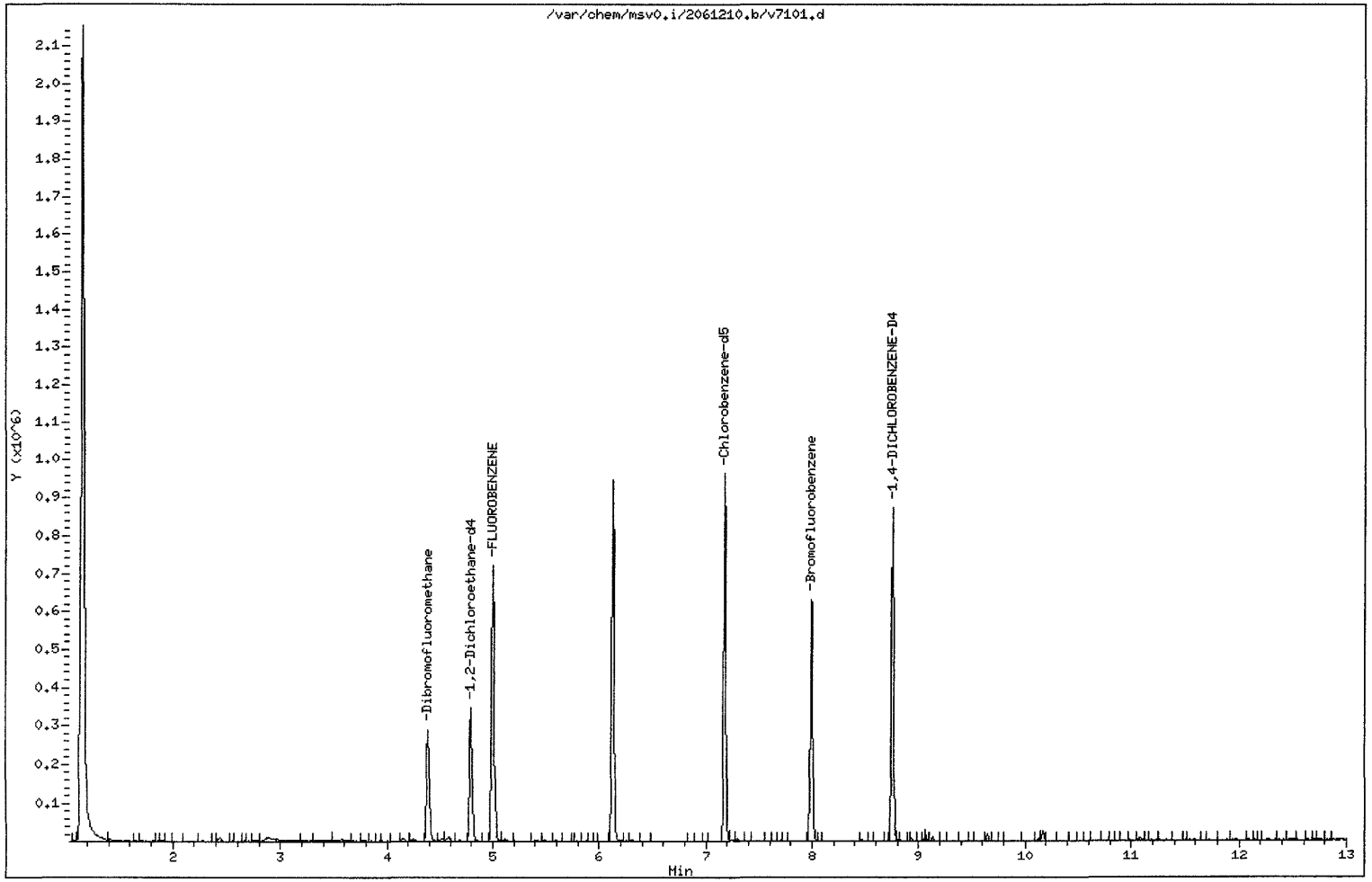
Instrument: msv0.i

Sample Info: 20612072810*SWSED10-010 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7101.d

Date : 10-DEC-2006 18:51

Client ID: SWSED10-010 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072810*SWSED10-010 (0-0.5)

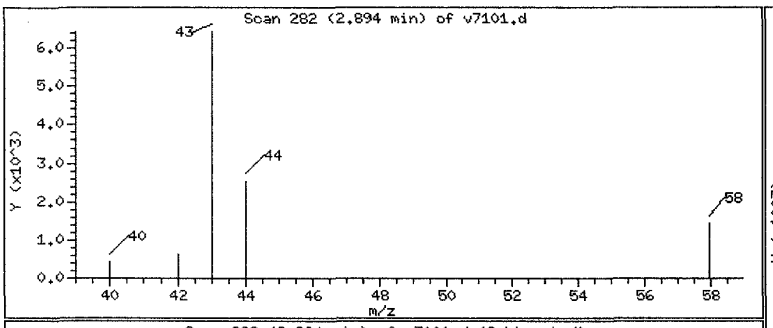
Operator: KCB

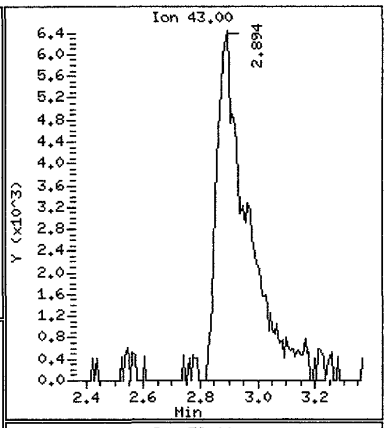
Column phase: DB-624-30M

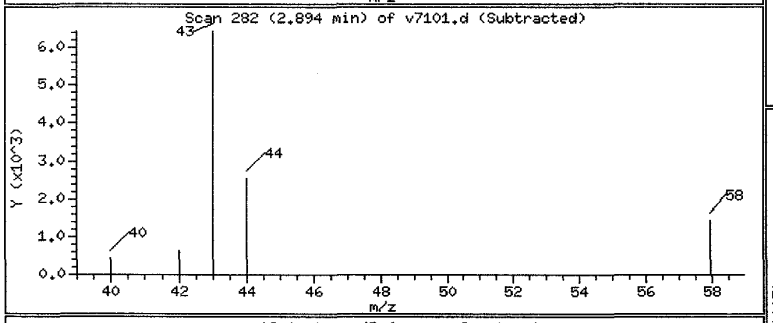
Column diameter: 0.53

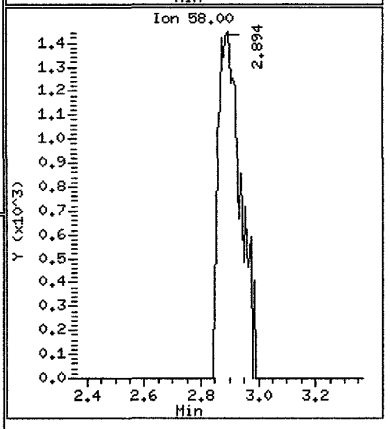
12 Acetone

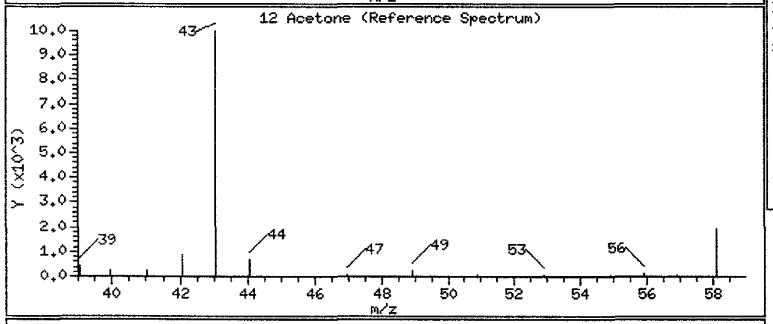
Concentration: 16.1 ug/Kg

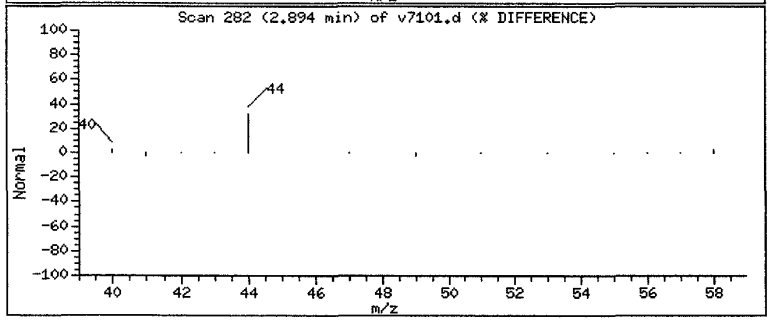












Data File: /var/chem/msv0.i/2061210.b/v7101.d

Date : 10-DEC-2006 18:51

Client ID: SWSED10-010 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072810*SWSED10-010 (0-0.5)

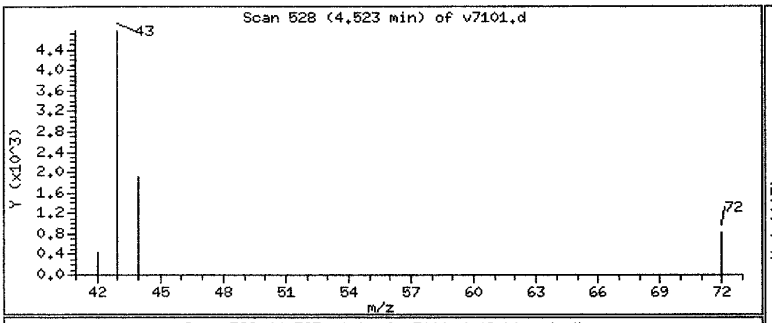
Operator: KCB

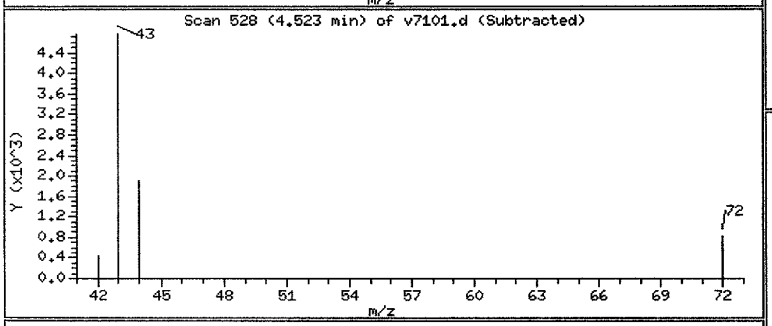
Column phase: DB-624-30M

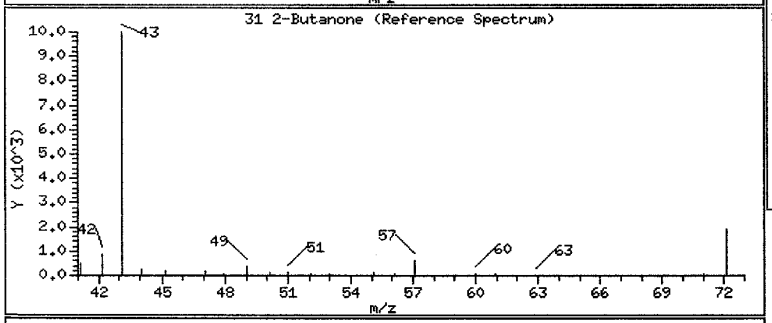
Column diameter: 0.53

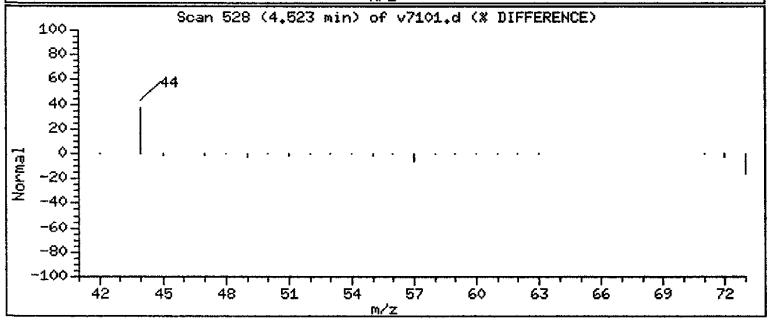
31 2-Butanone

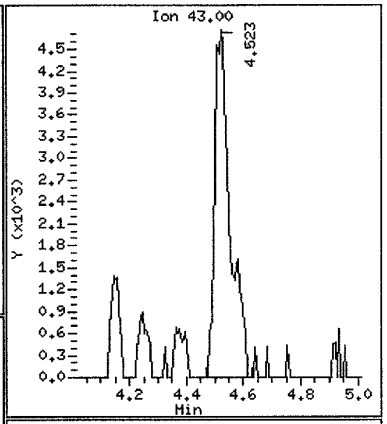
Concentration: 1.97 ug/Kg

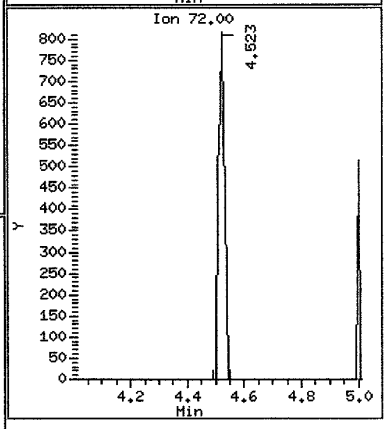










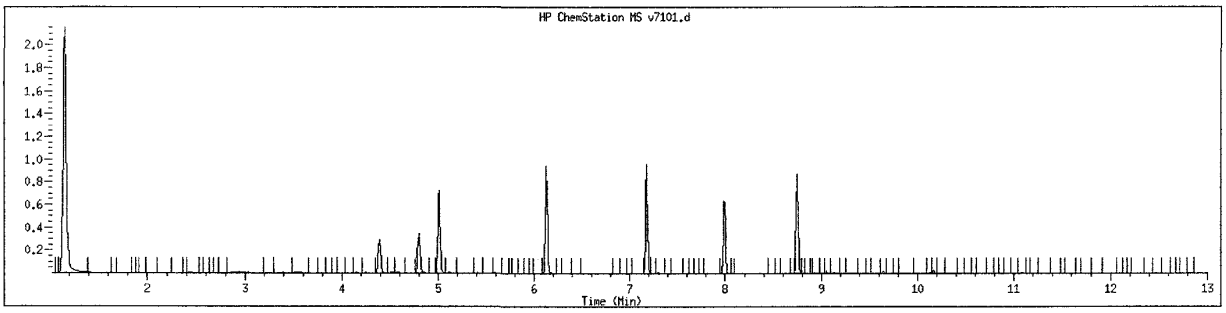


000105

Data file : /var/chem/msv0.i/2061210.b/v7101.d Page: 1
Report Date: 12/11/2006 06:23

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072810 SampleType : SAMPLE
Injection Date: 10-DEC-2006 18:51 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072810*SWSED10-010 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED11-011 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.92 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 26.2

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072811

Lab File ID: 2061210/v7102

Date Collected: 12/06/06 Time: 0935

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1912

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00689	U	0.000242	0.00689
71-55-6	1,1,1-Trichloroethane	0.00689	U	0.000169	0.00689
79-34-5	1,1,2,2-Tetrachloroethane	0.00689	U	0.000248	0.00689
79-00-5	1,1,2-Trichloroethane	0.00689	U	0.000157	0.00689
75-34-3	1,1-Dichloroethane	0.00689	U	0.000219	0.00689
75-35-4	1,1-Dichloroethene	0.00689	U	0.000495	0.00689
563-58-6	1,1-Dichloropropene	0.00689	U	0.000179	0.00689
96-18-4	1,2,3-Trichloropropane	0.00276	U	0.000338	0.00276
120-82-1	1,2,4-Trichlorobenzene	0.00689	U	0.000450	0.00689
95-63-6	1,2,4-Trimethylbenzene	0.00689	U	0.000273	0.00689
96-12-8	1,2-Dibromo-3-chloropropane	0.00689	U	0.00119	0.00689
106-93-4	1,2-Dibromoethane	0.00689	U	0.000207	0.00689
95-50-1	1,2-Dichlorobenzene	0.00689	U	0.000157	0.00689
107-06-2	1,2-Dichloroethane	0.00689	U	0.000157	0.00689
78-87-5	1,2-Dichloropropane	0.00689	U	0.000154	0.00689
108-67-8	1,3,5-Trimethylbenzene	0.00689	U	0.000225	0.00689
541-73-1	1,3-Dichlorobenzene	0.00689	U	0.000325	0.00689
142-28-9	1,3-Dichloropropane	0.00689	U	0.000187	0.00689
106-46-7	1,4-Dichlorobenzene	0.00689	U	0.000580	0.00689
594-20-7	2,2-Dichloropropane	0.00689	U	0.000242	0.00689
78-93-3	2-Butanone	0.00209	JB	0.000430	0.00689
110-75-8	2-Chloroethylvinyl ether	0.00689	U	0.00290	0.00689
95-49-8	2-Chlorotoluene	0.00689	U	0.000207	0.00689
591-78-6	2-Hexanone	0.00689	U	0.00114	0.00689
106-43-4	4-Chlorotoluene	0.00689	U	0.000448	0.00689
99-87-6	4-Isopropyltoluene	0.00689	U	0.000222	0.00689
108-10-1	4-Methyl-2-pentanone	0.00689	U	0.000238	0.00689
67-64-1	Acetone	0.021	JB	0.000515	0.034
107-02-8	Acrolein	0.034	U	0.00322	0.034
107-13-1	Acrylonitrile	0.034	U	0.000981	0.034
71-43-2	Benzene	0.00689	U	0.000143	0.00689

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED11-011 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.92 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 26.2

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072811

Lab File ID: 2061210/v7102

Date Collected: 12/06/06 Time: 0935

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1912

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00689	U	0.000324	0.00689
75-27-4	Bromodichloromethane	0.00689	U	0.000186	0.00689
75-25-2	Bromoform	0.00689	U	0.000233	0.00689
74-83-9	Bromomethane	0.00689	U	0.00207	0.00689
104-51-8	n-Butylbenzene	0.00689	U	0.000245	0.00689
75-15-0	Carbon disulfide	0.00689	U	0.000150	0.00689
56-23-5	Carbon tetrachloride	0.00689	U	0.000165	0.00689
108-90-7	Chlorobenzene	0.00689	U	0.000227	0.00689
75-00-3	Chloroethane	0.00689	U	0.000835	0.00689
67-66-3	Chloroform	0.00689	U	0.000194	0.00689
74-87-3	Chloromethane	0.00689	U	0.000639	0.00689
110-82-7	Cyclohexane	0.00689	U	0.00152	0.00689
124-48-1	Dibromochloromethane	0.00689	U	0.000124	0.00689
74-95-3	Dibromomethane	0.00689	U	0.000215	0.00689
75-71-8	Dichlorodifluoromethane	0.00689	U	0.000501	0.00689
10061-01-5	cis-1,3-Dichloropropene	0.00689	U	0.000158	0.00689
10061-02-6	trans-1,3-Dichloropropene	0.00689	U	0.000194	0.00689
100-41-4	Ethylbenzene	0.00689	U	0.000285	0.00689
87-68-3	Hexachlorobutadiene	0.00689	U	0.00172	0.00689
98-82-8	Isopropylbenzene (Cumene)	0.00689	U	0.000211	0.00689
79-20-9	Methyl Acetate	0.00689	U	0.00211	0.00689
74-88-4	Methyl iodide	0.00689	U	0.00125	0.00689
108-87-2	Methylcyclohexane	0.00689	U	0.000510	0.00689
75-09-2	Methylene chloride	0.014	U	0.000660	0.014
91-20-3	Naphthalene	0.00689	U	0.000518	0.00689
100-42-5	Styrene	0.00689	U	0.000209	0.00689
127-18-4	Tetrachloroethene	0.00689	U	0.000265	0.00689
108-88-3	Toluene	0.00689	U	0.000758	0.00689
79-01-6	Trichloroethene	0.00689	U	0.000244	0.00689
75-69-4	Trichlorofluoromethane	0.00689	U	0.000347	0.00689
76-13-1	Trichlorotrifluoroethane	0.00689	U	0.000259	0.00689
108-05-4	Vinyl acetate	0.00689	U	0.00135	0.00689

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED11-011 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.92 (g/ml) g

Lab Sample ID: 20612072811

Level: (low/med) LOW

Lab File ID: 2061210/v7102

% Moisture: not dec. 26.2

Date Collected: 12/06/06 Time: 0935

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1912

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00689	U	0.000484	0.00689
1330-20-7	Xylene (total)	0.014	U	0.000788	0.014
156-59-2	cis-1,2-Dichloroethene	0.00689	U	0.000174	0.00689
136777-61-	m,p-Xylene	0.00689	U	0.000548	0.00689
71-36-3	n-Butyl alcohol	0.034	U	0.00138	0.034
103-65-1	n-Propylbenzene	0.00689	U	0.000193	0.00689
95-47-6	o-Xylene	0.00689	U	0.000240	0.00689
135-98-8	sec-Butylbenzene	0.00689	U	0.000161	0.00689
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00689	U	0.000102	0.00689
98-06-6	tert-Butylbenzene	0.00689	U	0.000347	0.00689
156-60-5	trans-1,2-Dichloroethene	0.00689	U	0.000226	0.00689
110-57-6	trans-1,4-Dichloro-2-butene	0.00689	U	0.000993	0.00689

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7102.d
Lab Smp Id: 20612072811 Client Smp ID: SWSED11-011 (0-0.5)
Inj Date : 10-DEC-2006 19:12
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072811*SWSED11-011 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 20
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.92000	Weight of sample extracted (g)

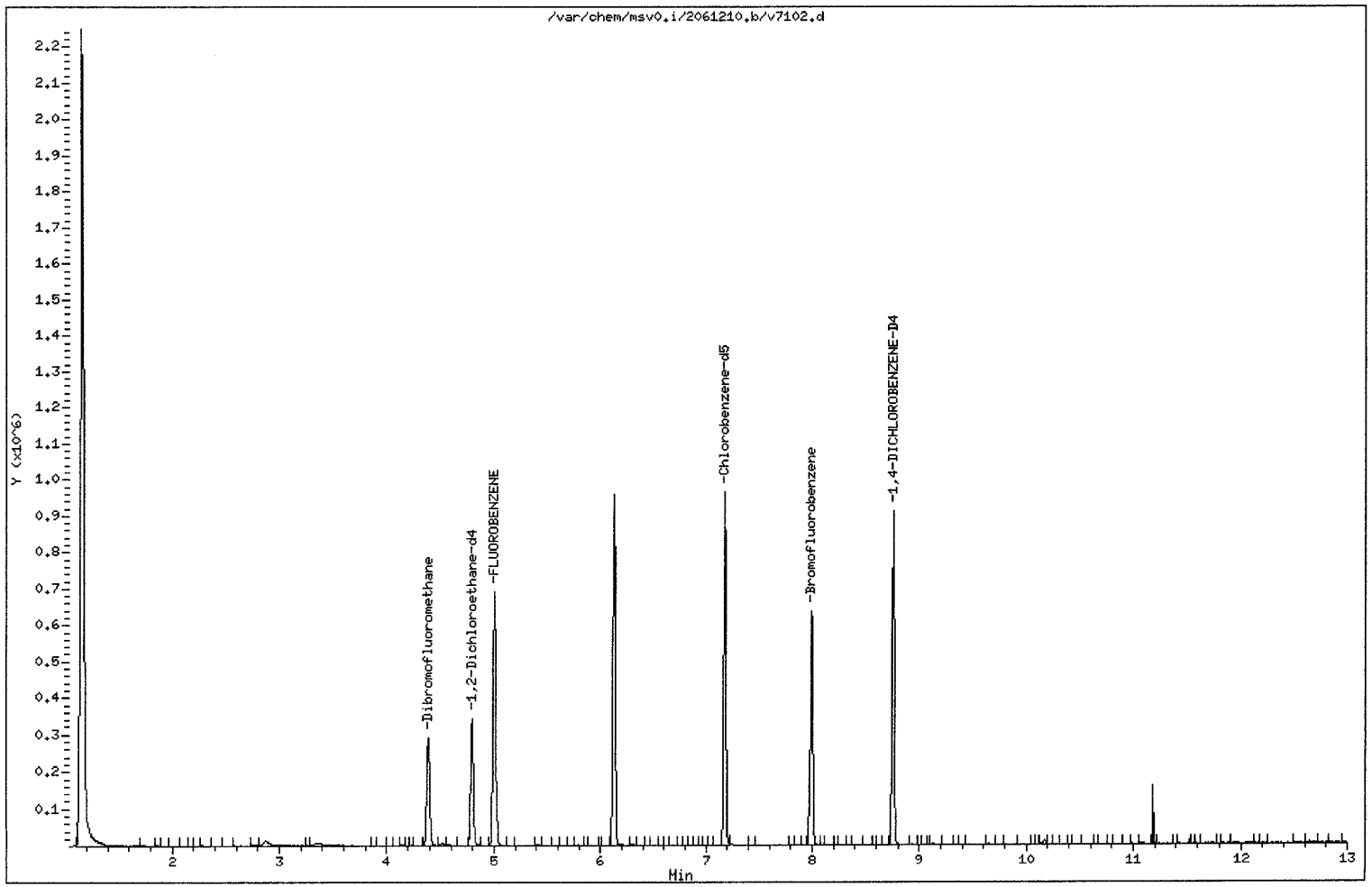
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
12 Acetone	43	2.882	2.865	(0.575)	46411	15.3526	15.6	8442
$ 41 Dibromofluoromethane	111	4.385	4.388	(0.876)	182119	45.7085	46.5	5432
31 2-Butanone	43	4.511	4.514	(0.901)	13357	1.51394	1.54	
$ 47 1,2-Dichloroethane-d4	67	4.796	4.792	(0.958)	111646	46.6447	47.4	9549
* 49 FLUOROBENZENE	96	5.008	5.004	(1.000)	550031	50.0000		9823
$ 67 Toluene-d8	98	6.127	6.123	(0.854)	496922	43.1165	43.8	9816
* 85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	242889	50.0000		2844
$ 98 Bromofluorobenzene	174	7.995	7.991	(1.114)	133594	42.3277	43.0	9166
* 115 1,4-DICHLOROBENZENE-D4	152	8.750	8.753	(1.000)	179451	50.0000		3585

Data File: /var/chem/msv0.i/2061210.b/v7102.d
Date : 10-DEC-2006 19:12
Client ID: SWSED11-011 (0-0.5)
Sample Info: 20612072811*SWSED11-011 (0-0.5)

Instrument: msv0.i
Operator: KCB
Column diameter: 0.53

Column phase: DB-624-30M



000111
034167

Data File: /var/chem/msv0.i/2061210.b/v7102.d

Date : 10-DEC-2006 19:12

Client ID: SWSED11-011 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072811*SWSED11-011 (0-0.5)

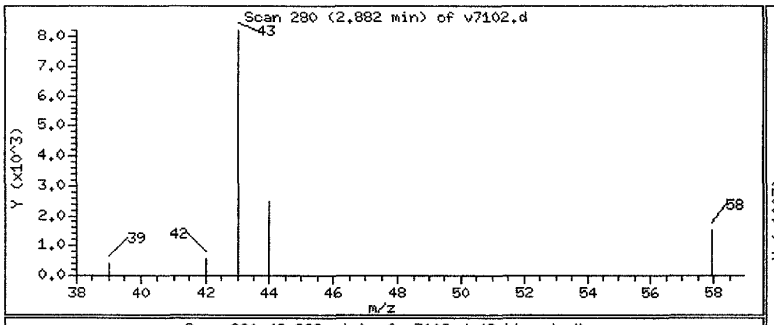
Operator: KCB

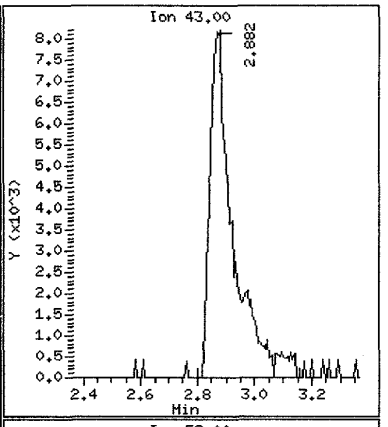
Column phase: DB-624-30M

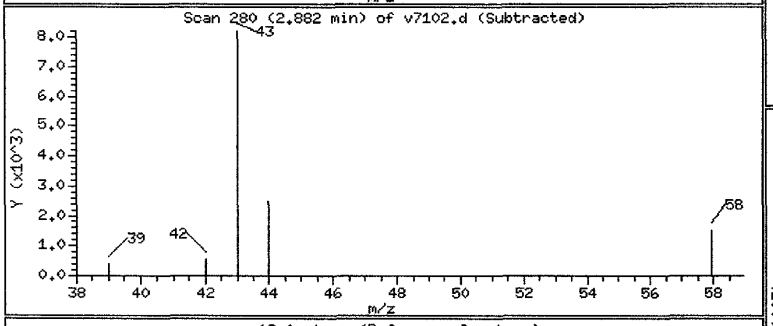
Column diameter: 0.53

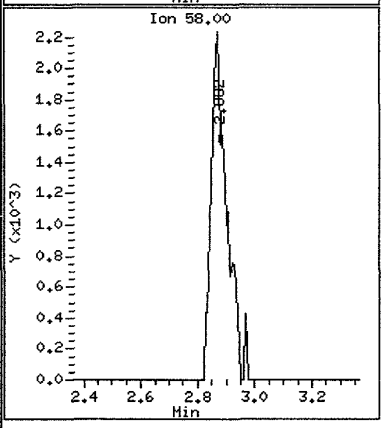
12 Acetone

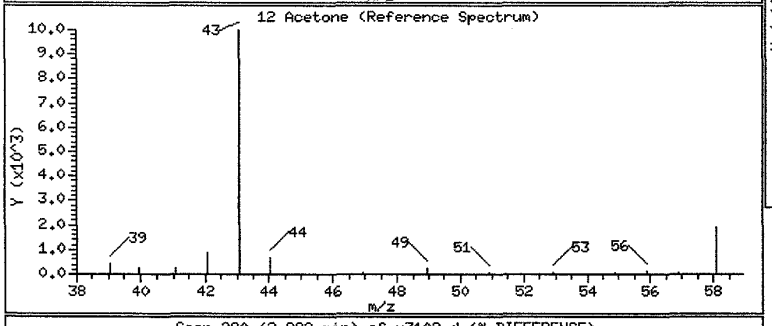
Concentration: 15.6 ug/Kg

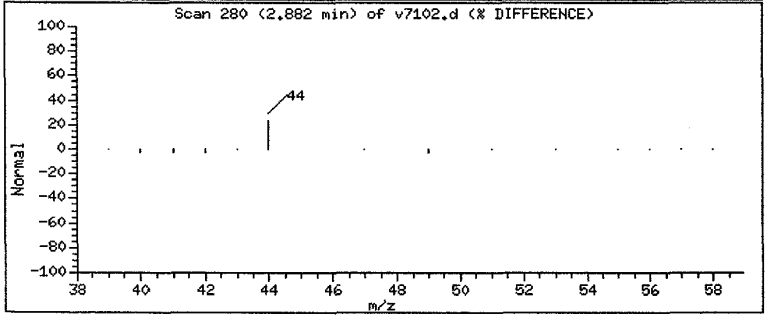












Data File: /var/chem/msv0.i/2061210.b/v7102.d

Date : 10-DEC-2006 19:12

Client ID: SWSED11-011 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072811*SWSED11-011 (0-0.5)

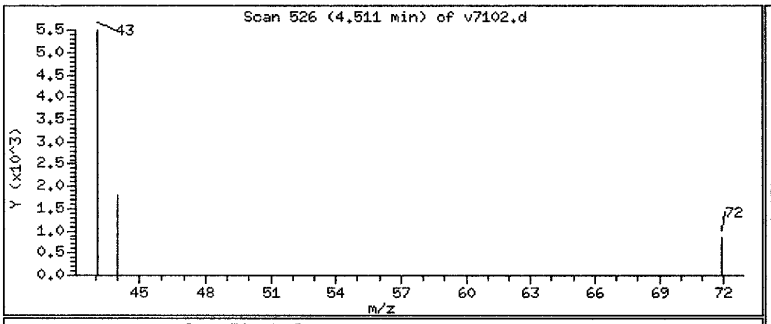
Operator: KCB

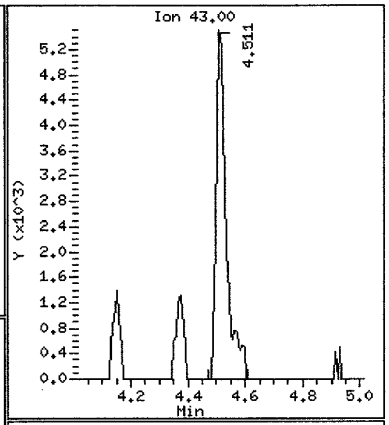
Column phase: DB-624-30M

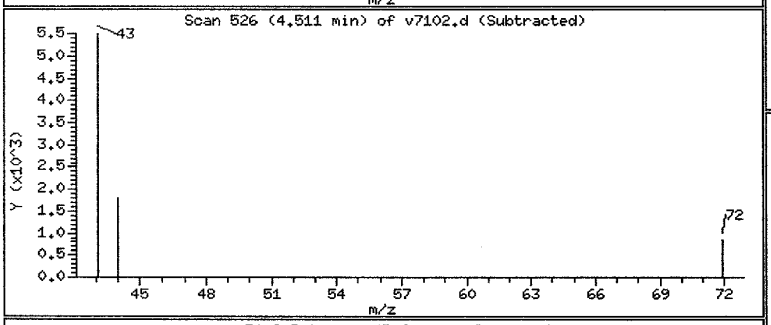
Column diameter: 0.53

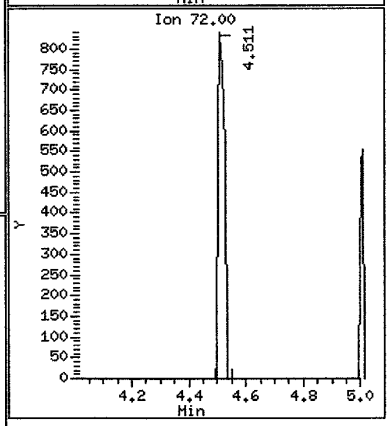
31 2-Butanone

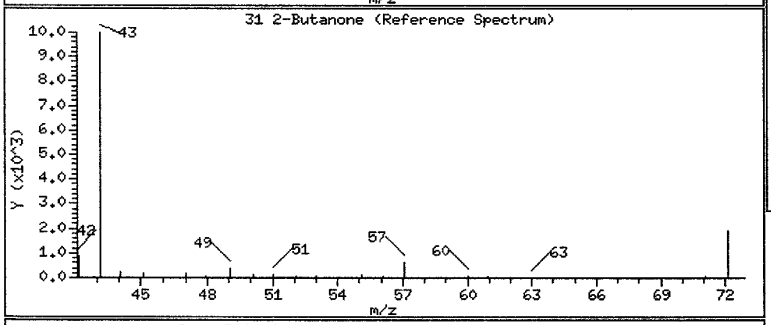
Concentration: 1.54 ug/Kg

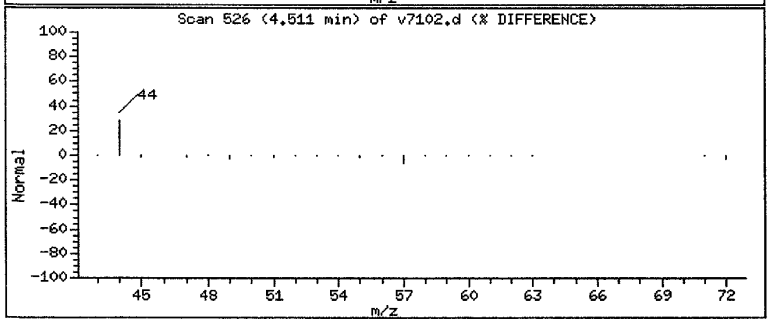








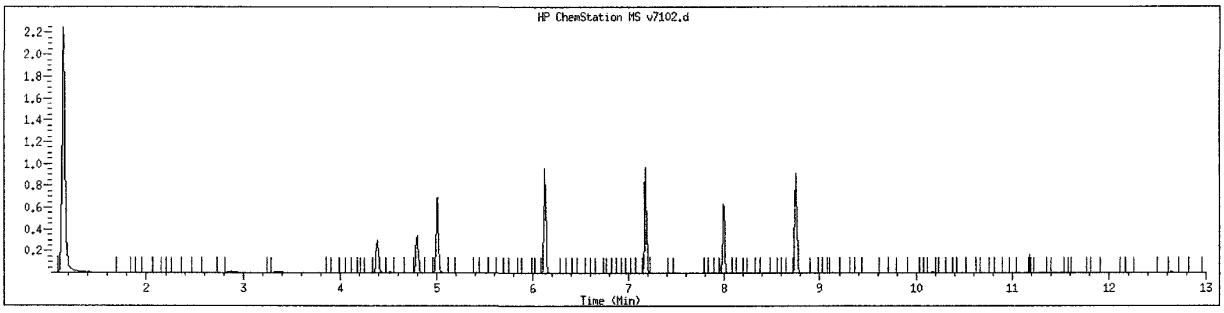




Data file : /var/chem/msv0.i/2061210.b/v7102.d Page: 1
Report Date: 12/11/2006 06:23

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072811	SampleType	: SAMPLE
Injection Date	: 10-DEC-2006 19:12	Instrument	: msv0.i
Operator	: KCB		
Sample Info	: 20612072811*SWSED11-011 (0-0.5)		
Misc Info	: MSV~9605~*1*KCB		
Method	: /var/chem/msv0.i/2061210.b/8260Bs0c.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

000114

034170

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED12-012 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072812

Level: (low/med) LOW

Lab File ID: 2061210/v7103

% Moisture: not dec. 16.9

Date Collected: 12/06/06 Time: 0940

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1935

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00614	U	0.000216	0.00614
71-55-6	1,1,1-Trichloroethane	0.00614	U	0.000151	0.00614
79-34-5	1,1,2,2-Tetrachloroethane	0.00614	U	0.000221	0.00614
79-00-5	1,1,2-Trichloroethane	0.00614	U	0.000140	0.00614
75-34-3	1,1-Dichloroethane	0.00614	U	0.000195	0.00614
75-35-4	1,1-Dichloroethene	0.00614	U	0.000441	0.00614
563-58-6	1,1-Dichloropropene	0.00614	U	0.000160	0.00614
96-18-4	1,2,3-Trichloropropane	0.00246	U	0.000301	0.00246
120-82-1	1,2,4-Trichlorobenzene	0.00614	U	0.000402	0.00614
95-63-6	1,2,4-Trimethylbenzene	0.00614	U	0.000243	0.00614
96-12-8	1,2-Dibromo-3-chloropropane	0.00614	U	0.00106	0.00614
106-93-4	1,2-Dibromoethane	0.00614	U	0.000184	0.00614
95-50-1	1,2-Dichlorobenzene	0.00614	U	0.000140	0.00614
107-06-2	1,2-Dichloroethane	0.00614	U	0.000140	0.00614
78-87-5	1,2-Dichloropropane	0.00614	U	0.000138	0.00614
108-67-8	1,3,5-Trimethylbenzene	0.00614	U	0.000200	0.00614
541-73-1	1,3-Dichlorobenzene	0.00614	U	0.000290	0.00614
142-28-9	1,3-Dichloropropane	0.00614	U	0.000167	0.00614
106-46-7	1,4-Dichlorobenzene	0.00614	U	0.000517	0.00614
594-20-7	2,2-Dichloropropane	0.00614	U	0.000216	0.00614
78-93-3	2-Butanone	0.00285	JB	0.000383	0.00614
110-75-8	2-Chloroethylvinyl ether	0.00614	U	0.00258	0.00614
95-49-8	2-Chlorotoluene	0.00614	U	0.000184	0.00614
591-78-6	2-Hexanone	0.00614	U	0.00101	0.00614
106-43-4	4-Chlorotoluene	0.00614	U	0.000399	0.00614
99-87-6	4-Isopropyltoluene	0.00614	U	0.000198	0.00614
108-10-1	4-Methyl-2-pentanone	0.00614	U	0.000212	0.00614
67-64-1	Acetone	0.027	JB	0.000459	0.031
107-02-8	Acrolein	0.031	U	0.00287	0.031
107-13-1	Acrylonitrile	0.031	U	0.000874	0.031
71-43-2	Benzene	0.00614	U	0.000128	0.00614

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED12-012 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072812

Level: (low/med) LOW

Lab File ID: 2061210/v7103

% Moisture: not dec. 16.9

Date Collected: 12/06/06 Time: 0940

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1935

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00614	U	0.000289	0.00614
75-27-4	Bromodichloromethane	0.00614	U	0.000166	0.00614
75-25-2	Bromoform	0.00614	U	0.000208	0.00614
74-83-9	Bromomethane	0.00614	U	0.00185	0.00614
104-51-8	n-Butylbenzene	0.00614	U	0.000219	0.00614
75-15-0	Carbon disulfide	0.00614	U	0.000134	0.00614
56-23-5	Carbon tetrachloride	0.00614	U	0.000147	0.00614
108-90-7	Chlorobenzene	0.00614	U	0.000203	0.00614
75-00-3	Chloroethane	0.00614	U	0.000744	0.00614
67-66-3	Chloroform	0.00614	U	0.000173	0.00614
74-87-3	Chloromethane	0.00614	U	0.000570	0.00614
110-82-7	Cyclohexane	0.00614	U	0.00136	0.00614
124-48-1	Dibromochloromethane	0.00614	U	0.000111	0.00614
74-95-3	Dibromomethane	0.00614	U	0.000192	0.00614
75-71-8	Dichlorodifluoromethane	0.00614	U	0.000447	0.00614
10061-01-5	cis-1,3-Dichloropropene	0.00614	U	0.000141	0.00614
10061-02-6	trans-1,3-Dichloropropene	0.00614	U	0.000173	0.00614
100-41-4	Ethylbenzene	0.00614	U	0.000254	0.00614
87-68-3	Hexachlorobutadiene	0.00614	U	0.00153	0.00614
98-82-8	Isopropylbenzene (Cumene)	0.00614	U	0.000188	0.00614
79-20-9	Methyl Acetate	0.00614	U	0.00188	0.00614
74-88-4	Methyl iodide	0.00614	U	0.00111	0.00614
108-87-2	Methylcyclohexane	0.00614	U	0.000454	0.00614
75-09-2	Methylene chloride	0.012	U	0.000588	0.012
91-20-3	Naphthalene	0.00614	U	0.000462	0.00614
100-42-5	Styrene	0.00614	U	0.000187	0.00614
127-18-4	Tetrachloroethene	0.00614	U	0.000236	0.00614
108-88-3	Toluene	0.00614	U	0.000675	0.00614
79-01-6	Trichloroethene	0.00614	U	0.000217	0.00614
75-69-4	Trichlorofluoromethane	0.00614	U	0.000309	0.00614
76-13-1	Trichlorotrifluoroethane	0.00614	U	0.000231	0.00614
108-05-4	Vinyl acetate	0.00614	U	0.00120	0.00614

090116

034172

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED12-012 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072812

Level: (low/med) LOW

Lab File ID: 2061210/v7103

% Moisture: not dec. 16.9

Date Collected: 12/06/06 Time: 0940

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1935

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00614	U	0.000431	0.00614
1330-20-7	Xylene (total)	0.012	U	0.000702	0.012
156-59-2	cis-1,2-Dichloroethene	0.00614	U	0.000155	0.00614
136777-61-	m,p-Xylene	0.00614	U	0.000489	0.00614
71-36-3	n-Butyl alcohol	0.031	U	0.00123	0.031
103-65-1	n-Propylbenzene	0.00614	U	0.000172	0.00614
95-47-6	o-Xylene	0.00614	U	0.000214	0.00614
135-98-8	sec-Butylbenzene	0.00614	U	0.000144	0.00614
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00614	U	0.000090	0.00614
98-06-6	tert-Butylbenzene	0.00614	U	0.000309	0.00614
156-60-5	trans-1,2-Dichloroethene	0.00614	U	0.000201	0.00614
110-57-6	trans-1,4-Dichloro-2-butene	0.00614	U	0.000885	0.00614

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7103.d
Lab Smp Id: 20612072812 Client Smp ID: SWSED12-012 (0-0.5)
Inj Date : 10-DEC-2006 19:35
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072812*SWSED12-012 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 21
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.90000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

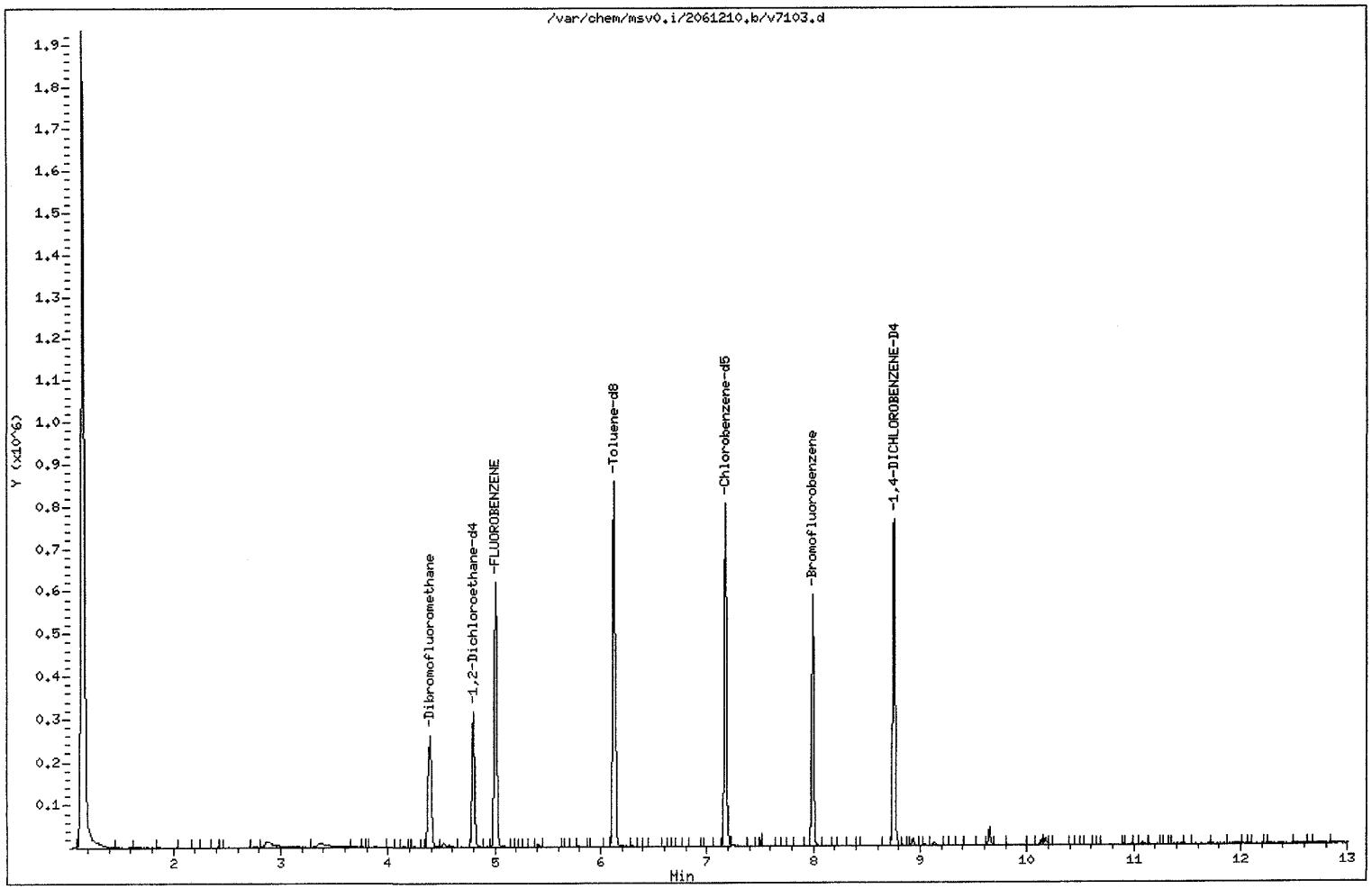
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
12 Acetone	43	2.880	2.865	(0.575)	56338	22.3784	22.8	8400
$ 41 Dibromofluoromethane	111	4.384	4.388	(0.876)	159584	45.3401	46.3	5431
31 2-Butanone	43	4.516	4.514	(0.902)	18085	2.32043	2.37	
$ 47 1,2-Dichloroethane-d4	67	4.794	4.792	(0.958)	98962	46.8035	47.8	9602
* 49 FLUOROBENZENE	96	5.006	5.004	(1.000)	485888	50.0000		9796
$ 67 Toluene-d8	98	6.126	6.123	(0.854)	446729	45.1781	46.1	9728
* 85 Chlorobenzene-d5	82	7.172	7.176	(1.000)	208391	50.0000		2840
$ 98 Bromofluorobenzene	174	7.993	7.991	(1.115)	119461	44.1157	45.0	9044
* 115 1,4-DICHLOROBENZENE-D4	152	8.755	8.753	(1.000)	154994	50.0000		3544

Data File: /var/chem/msv0.i/2061210.b/v7103.d
Date : 10-DEC-2006 19:35
Client ID: SWSED12-012 (0-0.5)
Sample Info: 20612072812*SWSED12-012 (0-0.5)

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7103.d

Date : 10-DEC-2006 19:35

Client ID: SWSED12-012 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072812*SWSED12-012 (0-0.5)

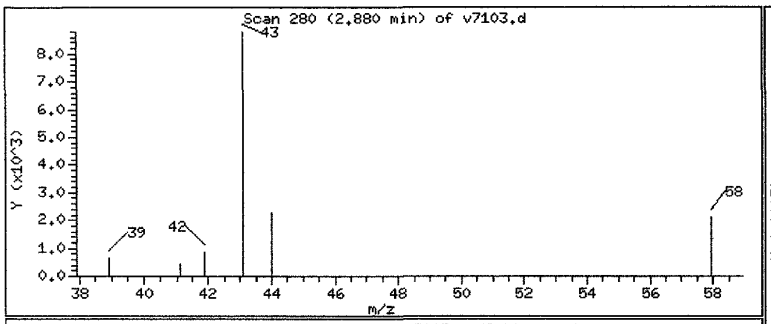
Operator: KCB

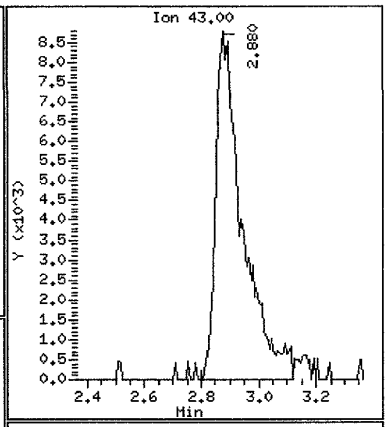
Column phase: DB-624-30M

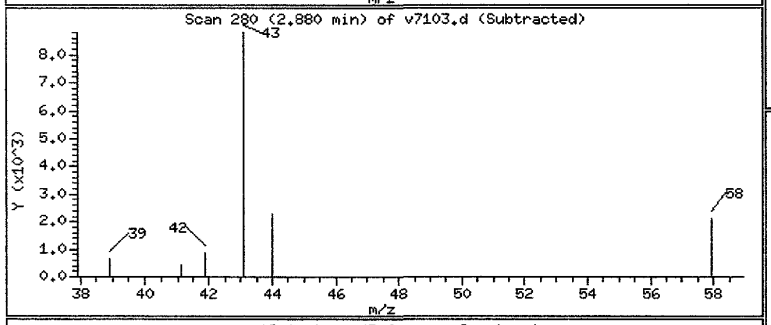
Column diameter: 0.53

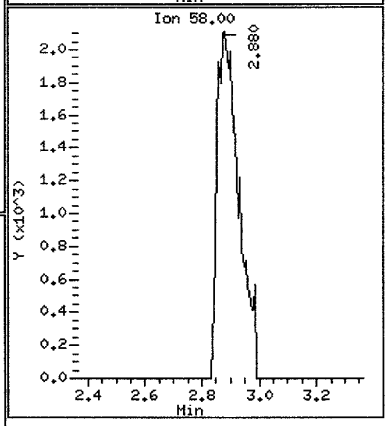
12 Acetone

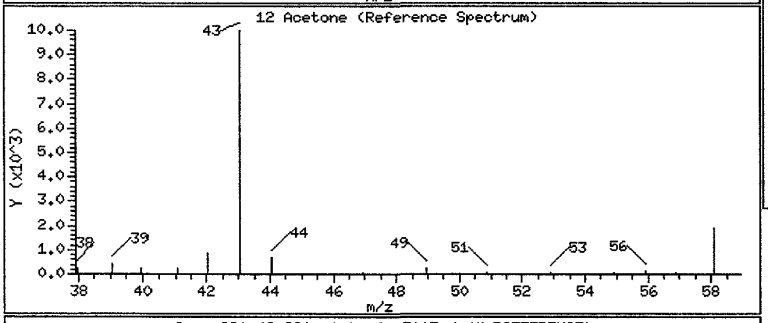
Concentration: 22.8 ug/Kg

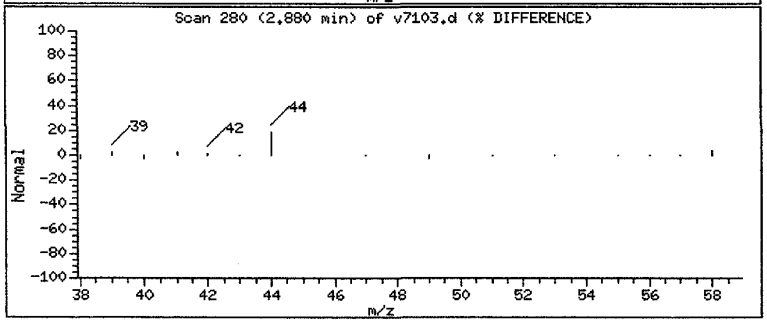












000120

034176

Data File: /var/chem/msv0.i/2061210.b/v7103.d

Date : 10-DEC-2006 19:35

Client ID: SWSED12-012 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072812*SWSED12-012 (0-0.5)

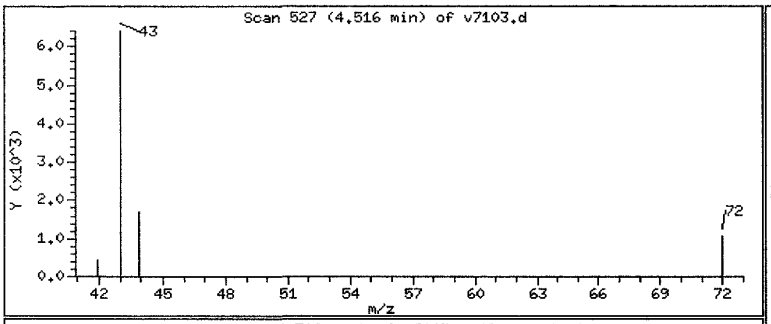
Operator: KCB

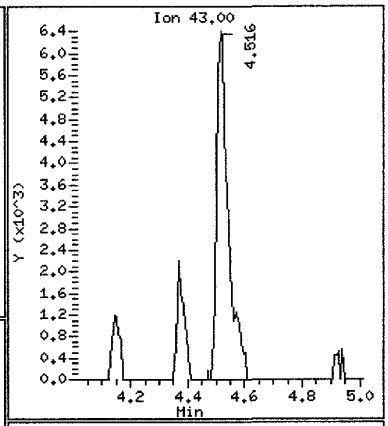
Column phase: DB-624-30M

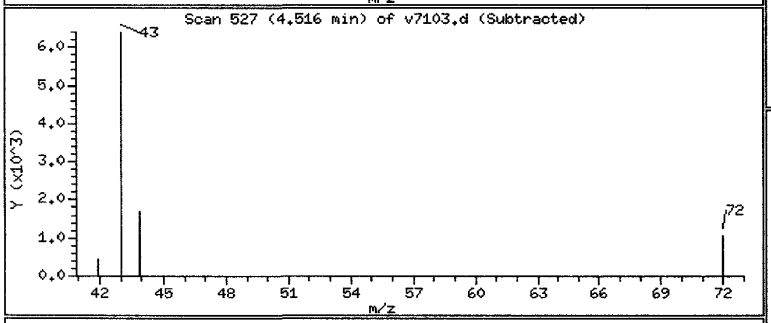
Column diameter: 0.53

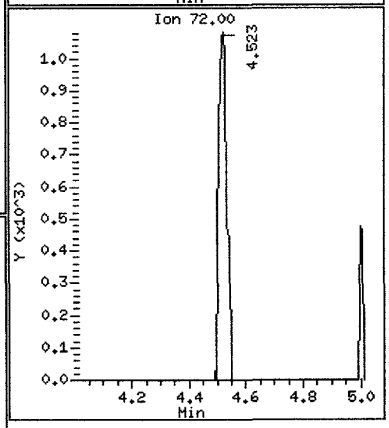
31 2-Butanone

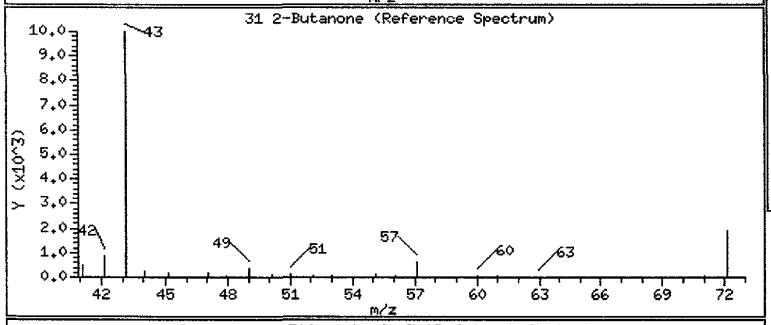
Concentration: 2.37 ug/Kg

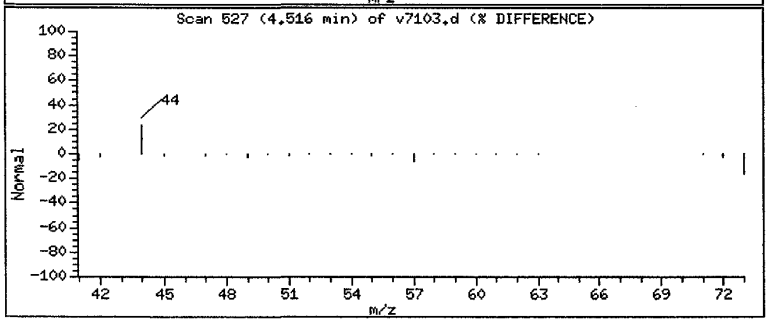










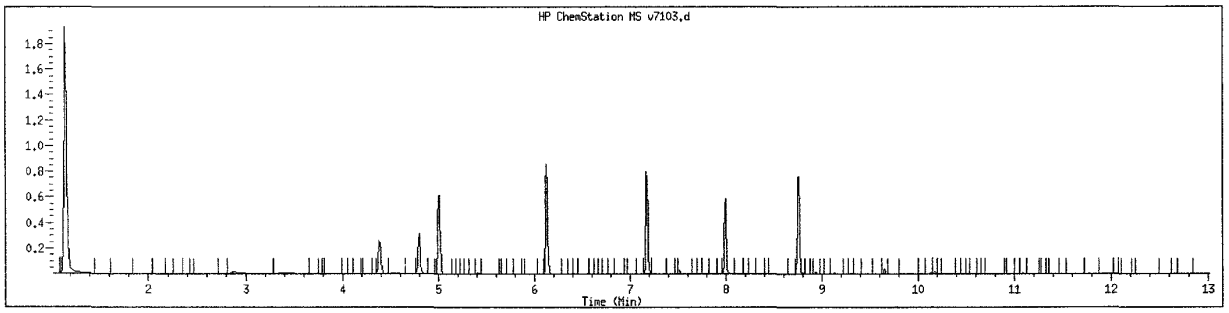


000121

Data file : /var/chem/msv0.i/2061210.b/v7103.d Page: 1
Report Date: 12/11/2006 06:23

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072812 SampleType : SAMPLE
Injection Date: 10-DEC-2006 19:35 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072812*SWSED12-012 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000122

034178

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED3-003 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g

Lab Sample ID: 20612072813

Level: (low/med) LOW

Lab File ID: 2061210/v7104

% Moisture: not dec. 59.0

Date Collected: 12/06/06 Time: 1100

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1955

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.012	U	0.000437	0.012
71-55-6	1,1,1-Trichloroethane	0.012	U	0.000305	0.012
79-34-5	1,1,2,2-Tetrachloroethane	0.012	U	0.000447	0.012
79-00-5	1,1,2-Trichloroethane	0.012	U	0.000283	0.012
75-34-3	1,1-Dichloroethane	0.012	U	0.000395	0.012
75-35-4	1,1-Dichloroethene	0.012	U	0.000891	0.012
563-58-6	1,1-Dichloropropene	0.012	U	0.000323	0.012
96-18-4	1,2,3-Trichloropropane	0.00496	U	0.000608	0.00496
120-82-1	1,2,4-Trichlorobenzene	0.012	U	0.000812	0.012
95-63-6	1,2,4-Trimethylbenzene	0.012	U	0.000491	0.012
96-12-8	1,2-Dibromo-3-chloropropane	0.012	U	0.00215	0.012
106-93-4	1,2-Dibromoethane	0.012	U	0.000372	0.012
95-50-1	1,2-Dichlorobenzene	0.012	U	0.000283	0.012
107-06-2	1,2-Dichloroethane	0.012	U	0.000283	0.012
78-87-5	1,2-Dichloropropane	0.012	U	0.000278	0.012
108-67-8	1,3,5-Trimethylbenzene	0.012	U	0.000405	0.012
541-73-1	1,3-Dichlorobenzene	0.012	U	0.000586	0.012
142-28-9	1,3-Dichloropropane	0.012	U	0.000338	0.012
106-46-7	1,4-Dichlorobenzene	0.012	U	0.00104	0.012
594-20-7	2,2-Dichloropropane	0.012	U	0.000437	0.012
78-93-3	2-Butanone	0.012	JB	0.000774	0.012
110-75-8	2-Chloroethylvinyl ether	0.012	U	0.00522	0.012
95-49-8	2-Chlorotoluene	0.012	U	0.000372	0.012
591-78-6	2-Hexanone	0.012	U	0.00205	0.012
106-43-4	4-Chlorotoluene	0.012	U	0.000807	0.012
99-87-6	4-Isopropyltoluene	0.012	U	0.000400	0.012
108-10-1	4-Methyl-2-pentanone	0.012	U	0.000429	0.012
67-64-1	Acetone	0.085	B	0.000928	0.062
107-02-8	Acrolein	0.062	U	0.00581	0.062
107-13-1	Acrylonitrile	0.062	U	0.00177	0.062
71-43-2	Benzene	0.012	U	0.000258	0.012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED3-003 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g

Lab Sample ID: 20612072813

Level: (low/med) LOW

Lab File ID: 2061210/v7104

% Moisture: not dec. 59.0

Date Collected: 12/06/06 Time: 1100

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1955

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.012	U	0.000583	0.012
75-27-4	Bromodichloromethane	0.012	U	0.000335	0.012
75-25-2	Bromoform	0.012	U	0.000419	0.012
74-83-9	Bromomethane	0.012	U	0.00374	0.012
104-51-8	n-Butylbenzene	0.012	U	0.000442	0.012
75-15-0	Carbon disulfide	0.012	U	0.000271	0.012
56-23-5	Carbon tetrachloride	0.012	U	0.000298	0.012
108-90-7	Chlorobenzene	0.012	U	0.000410	0.012
75-00-3	Chloroethane	0.012	U	0.00150	0.012
67-66-3	Chloroform	0.012	U	0.000350	0.012
74-87-3	Chloromethane	0.012	U	0.00115	0.012
110-82-7	Cyclohexane	0.012	U	0.00275	0.012
124-48-1	Dibromochloromethane	0.012	U	0.000223	0.012
74-95-3	Dibromomethane	0.012	U	0.000387	0.012
75-71-8	Dichlorodifluoromethane	0.012	U	0.000903	0.012
10061-01-5	cis-1,3-Dichloropropene	0.012	U	0.000285	0.012
10061-02-6	trans-1,3-Dichloropropene	0.012	U	0.000350	0.012
100-41-4	Ethylbenzene	0.012	U	0.000514	0.012
87-68-3	Hexachlorobutadiene	0.012	U	0.00309	0.012
98-82-8	Isopropylbenzene (Cumene)	0.012	U	0.000380	0.012
79-20-9	Methyl Acetate	0.012	U	0.00379	0.012
74-88-4	Methyl iodide	0.012	U	0.00225	0.012
108-87-2	Methylcyclohexane	0.012	U	0.000918	0.012
75-09-2	Methylene chloride	0.025	U	0.00119	0.025
91-20-3	Naphthalene	0.012	U	0.000933	0.012
100-42-5	Styrene	0.012	U	0.000377	0.012
127-18-4	Tetrachloroethene	0.012	U	0.000477	0.012
108-88-3	Toluene	0.012	U	0.00137	0.012
79-01-6	Trichloroethene	0.012	U	0.000439	0.012
75-69-4	Trichlorofluoromethane	0.012	U	0.000625	0.012
76-13-1	Trichlorotrifluoroethane	0.012	U	0.000467	0.012
108-05-4	Vinyl acetate	0.012	U	0.00243	0.012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED3-003 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 59.0

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072813

Lab File ID: 2061210/v7104

Date Collected: 12/06/06 Time: 1100

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1955

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.012	U	0.000871	0.012
1330-20-7	Xylene (total)	0.025	U	0.00142	0.025
156-59-2	cis-1,2-Dichloroethene	0.012	U	0.000313	0.012
136777-61-	m,p-Xylene	0.012	U	0.000988	0.012
71-36-3	n-Butyl alcohol	0.062	U	0.00248	0.062
103-65-1	n-Propylbenzene	0.012	U	0.000347	0.012
95-47-6	o-Xylene	0.012	U	0.000432	0.012
135-98-8	sec-Butylbenzene	0.012	U	0.000290	0.012
1634-04-4	tert-Butyl methyl ether (MTBE)	0.012	U	0.000184	0.012
98-06-6	tert-Butylbenzene	0.012	U	0.000625	0.012
156-60-5	trans-1,2-Dichloroethene	0.012	U	0.000407	0.012
110-57-6	trans-1,4-Dichloro-2-butene	0.012	U	0.00179	0.012

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7104.d
Lab Smp Id: 20612072813 Client Smp ID: SWSED3-003 (0-0.5)
Inj Date : 10-DEC-2006 19:55
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072813*SWSED3-003 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 22
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.91000	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
12 Acetone	43	2.903	2.865	(0.580)	85116	34.0768	34.7	8504
$ 41 Dibromofluoromethane	111	4.387	4.388	(0.877)	168641	45.0203	45.8	5431
31 2-Butanone	43	4.519	4.514	(0.903)	38763	4.67327	4.76	
$ 47 1,2-Dichloroethane-d4	67	4.797	4.792	(0.959)	109658	48.7307	49.6	9504
* 49 FLUOROBENZENE	96	5.003	5.004	(1.000)	517111	50.0000		9707
$ 67 Toluene-d8	98	6.129	6.123	(0.854)	473332	45.6963	46.5	9797
* 85 Chlorobenzene-d5	82	7.175	7.176	(1.000)	218297	50.0000		2843
$ 98 Bromofluorobenzene	174	7.990	7.991	(1.114)	116740	41.1545	41.9	8908
* 115 1,4-DICHLOROBENZENE-D4	152	8.751	8.753	(1.000)	131100	50.0000		3640

000126

Data File: /var/chem/msv0.i/2061210.b/v7104.d

Page 1

Date : 10-DEC-2006 19:55

Client ID: SWSED3-003 (0-0.5)

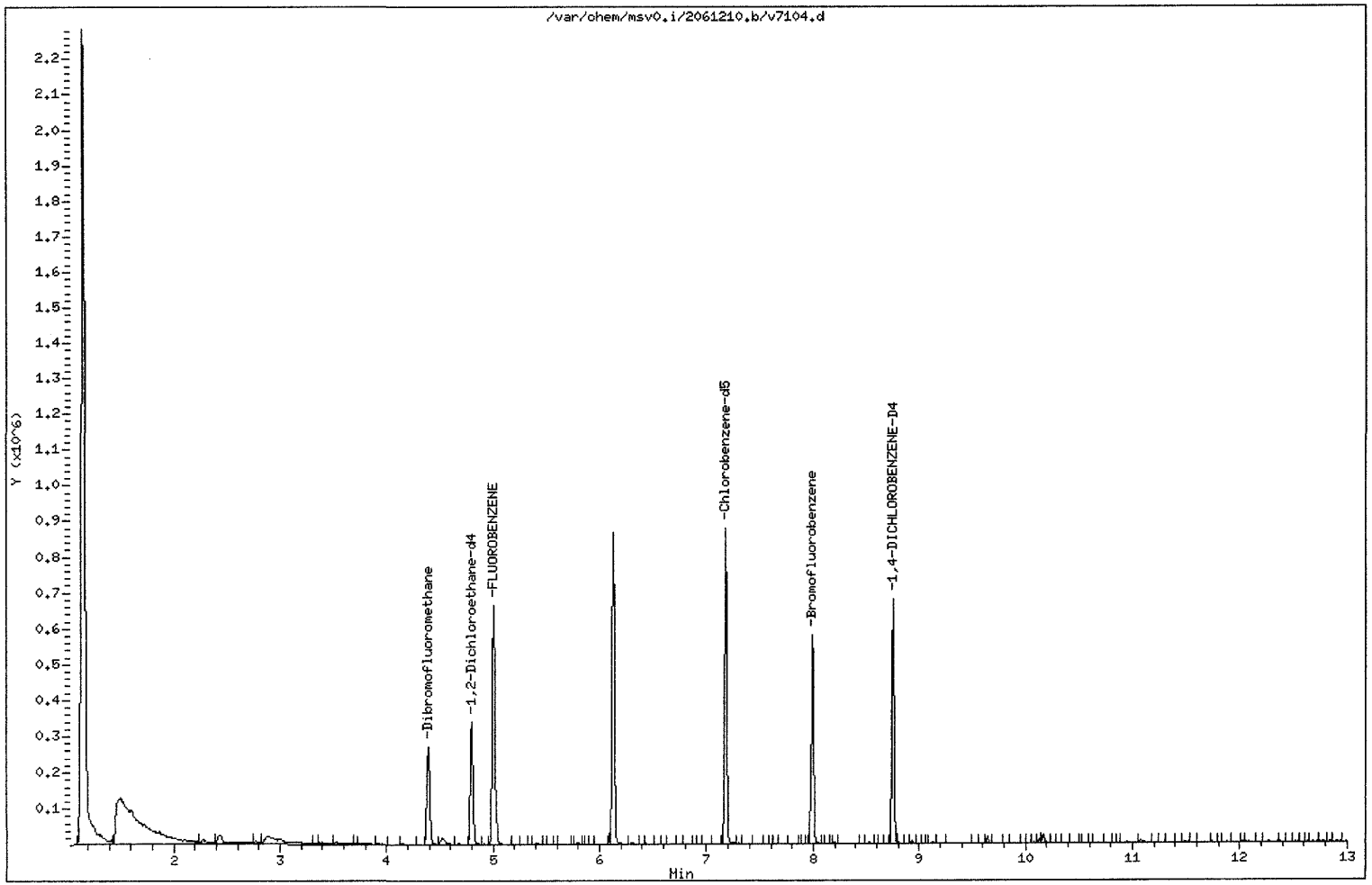
Instrument: msv0.i

Sample Info: 20612072813*SWSED3-003 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



034183

Data File: /var/chem/msv0.i/2061210.b/v7104.d

Date : 10-DEC-2006 19:55

Client ID: SWSED3-003 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072813*SWSED3-003 (0-0.5)

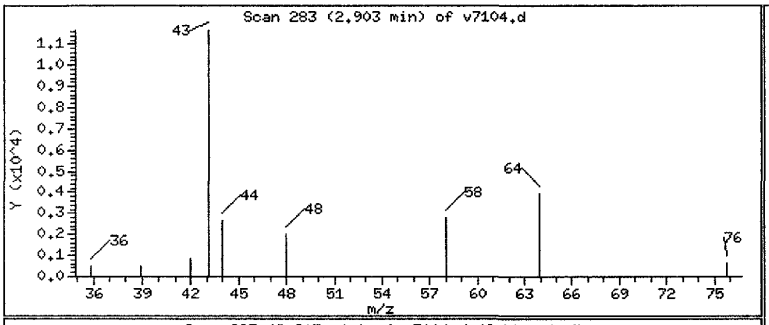
Operator: KCB

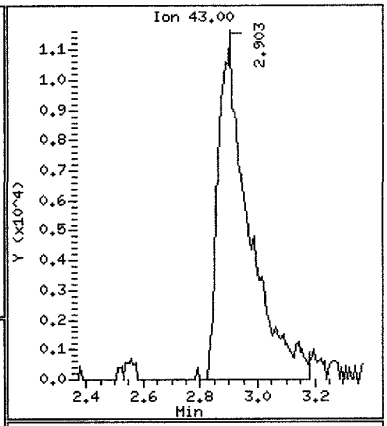
Column phase: DB-624-30M

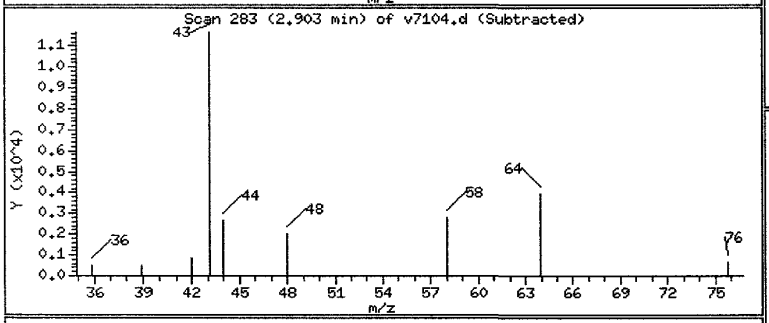
Column diameter: 0.53

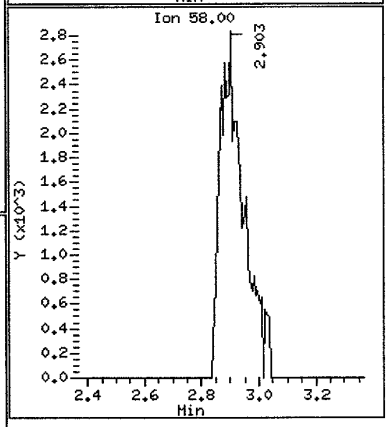
12 Acetone

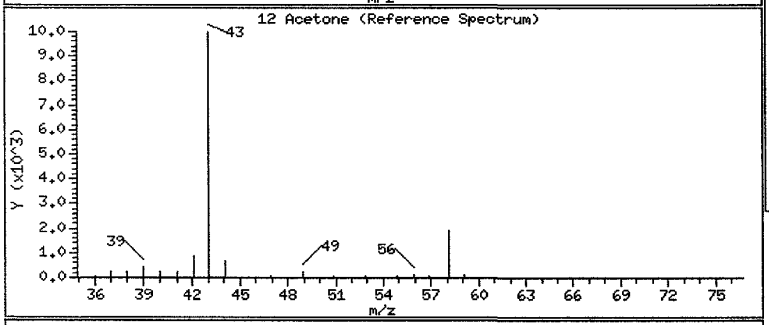
Concentration: 34.7 ug/Kg

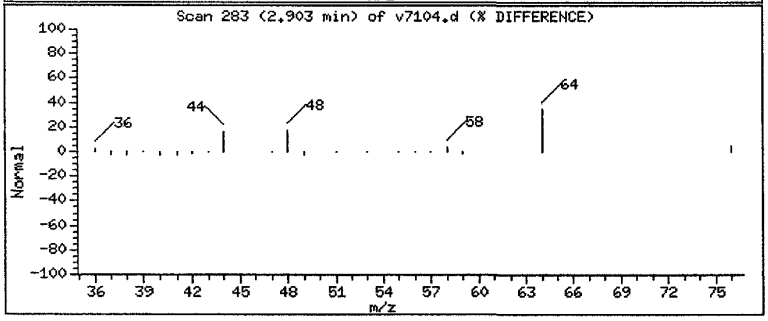












Data File: /var/chem/msv0.i/2061210.b/v7104.d

Date : 10-DEC-2006 19:55

Client ID: SWSED3-003 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072813*SWSED3-003 (0-0.5)

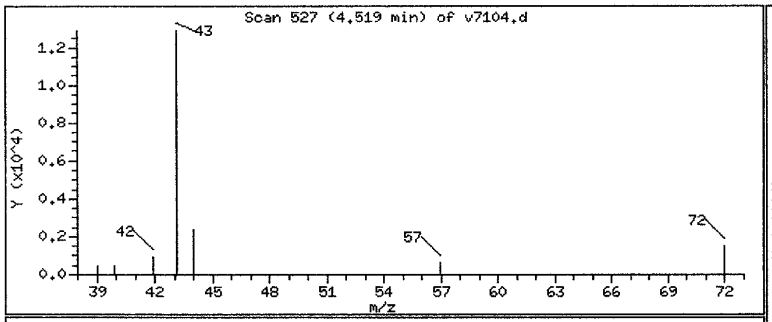
Operator: KCB

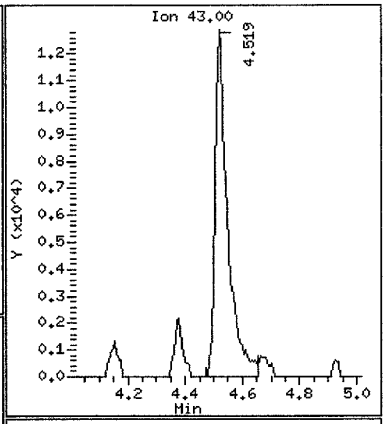
Column phase: DB-624-30M

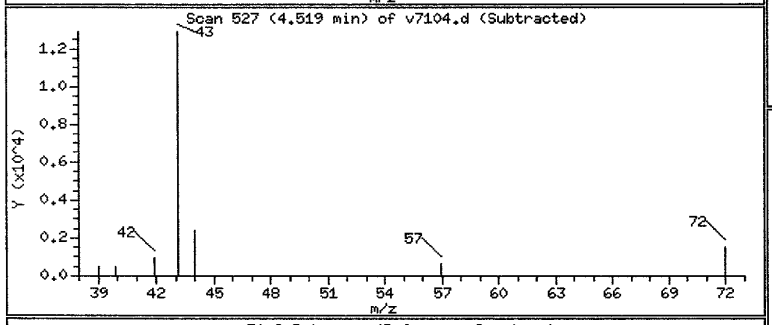
Column diameter: 0.53

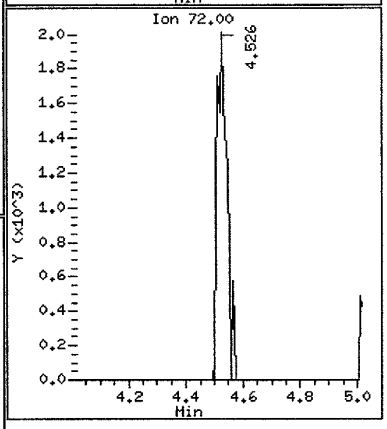
31 2-Butanone

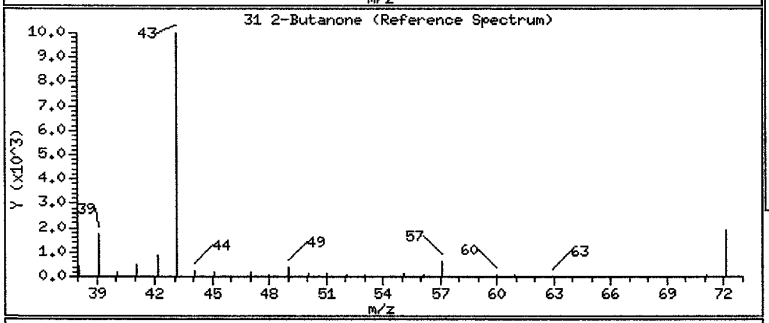
Concentration: 4.76 ug/Kg

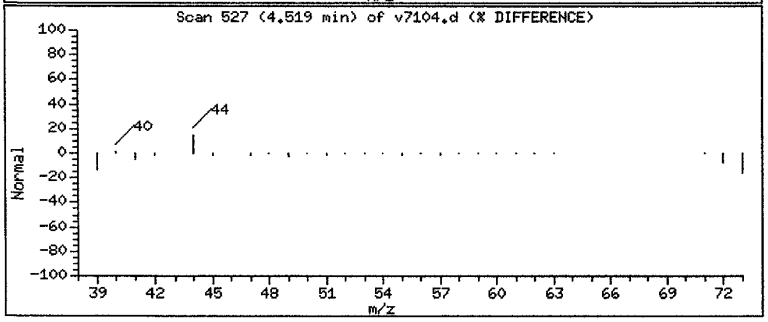












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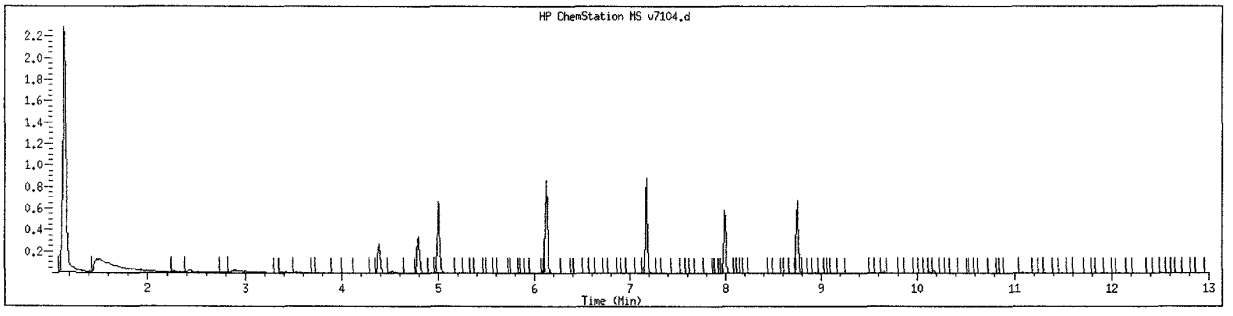
034185

Data file : /var/chem/msv0.i/2061210.b/v7104.d Page: 1
Report Date: 12/11/2006 06:24

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072813 SampleType : SAMPLE
Injection Date: 10-DEC-2006 19:55 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072813*SWSED3-003 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED3-003 (0-0.5)D

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072814

Level: (low/med) LOW

Lab File ID: 2061210/v7105

% Moisture: not dec. 56.3

Date Collected: 12/06/06 Time: 1100

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2016

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.012	U	0.000411	0.012
71-55-6	1,1,1-Trichloroethane	0.012	U	0.000287	0.012
79-34-5	1,1,2,2-Tetrachloroethane	0.012	U	0.000421	0.012
79-00-5	1,1,2-Trichloroethane	0.012	U	0.000266	0.012
75-34-3	1,1-Dichloroethane	0.012	U	0.000372	0.012
75-35-4	1,1-Dichloroethene	0.012	U	0.000839	0.012
563-58-6	1,1-Dichloropropene	0.012	U	0.000304	0.012
96-18-4	1,2,3-Trichloropropane	0.00467	U	0.000573	0.00467
120-82-1	1,2,4-Trichlorobenzene	0.012	U	0.000764	0.012
95-63-6	1,2,4-Trimethylbenzene	0.012	U	0.000463	0.012
96-12-8	1,2-Dibromo-3-chloropropane	0.012	U	0.00202	0.012
106-93-4	1,2-Dibromoethane	0.012	U	0.000351	0.012
95-50-1	1,2-Dichlorobenzene	0.012	U	0.000266	0.012
107-06-2	1,2-Dichloroethane	0.012	U	0.000266	0.012
78-87-5	1,2-Dichloropropane	0.012	U	0.000262	0.012
108-67-8	1,3,5-Trimethylbenzene	0.012	U	0.000381	0.012
541-73-1	1,3-Dichlorobenzene	0.012	U	0.000551	0.012
142-28-9	1,3-Dichloropropane	0.012	U	0.000318	0.012
106-46-7	1,4-Dichlorobenzene	0.012	U	0.000984	0.012
594-20-7	2,2-Dichloropropane	0.012	U	0.000411	0.012
78-93-3	2-Butanone	0.014	B	0.000729	0.012
110-75-8	2-Chloroethylvinyl ether	0.012	U	0.00491	0.012
95-49-8	2-Chlorotoluene	0.012	U	0.000351	0.012
591-78-6	2-Hexanone	0.012	U	0.00193	0.012
106-43-4	4-Chlorotoluene	0.012	U	0.000759	0.012
99-87-6	4-Isopropyltoluene	0.012	U	0.000376	0.012
108-10-1	4-Methyl-2-pentanone	0.012	U	0.000404	0.012
67-64-1	Acetone	0.096	B	0.000874	0.058
107-02-8	Acrolein	0.058	U	0.00547	0.058
107-13-1	Acrylonitrile	0.058	U	0.00166	0.058
71-43-2	Benzene	0.012	U	0.000243	0.012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED3-003 (0-0.5)D

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 56.3

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072814

Lab File ID: 2061210/v7105

Date Collected: 12/06/06 Time: 1100

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 2016

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.012	U	0.000549	0.012
75-27-4	Bromodichloromethane	0.012	U	0.000315	0.012
75-25-2	Bromoform	0.012	U	0.000395	0.012
74-83-9	Bromomethane	0.012	U	0.00352	0.012
104-51-8	n-Butylbenzene	0.012	U	0.000416	0.012
75-15-0	Carbon disulfide	0.012	U	0.000255	0.012
56-23-5	Carbon tetrachloride	0.012	U	0.000280	0.012
108-90-7	Chlorobenzene	0.012	U	0.000386	0.012
75-00-3	Chloroethane	0.012	U	0.00142	0.012
67-66-3	Chloroform	0.012	U	0.000329	0.012
74-87-3	Chloromethane	0.012	U	0.00108	0.012
110-82-7	Cyclohexane	0.012	U	0.00258	0.012
124-48-1	Dibromochloromethane	0.012	U	0.000210	0.012
74-95-3	Dibromomethane	0.012	U	0.000365	0.012
75-71-8	Dichlorodifluoromethane	0.012	U	0.000851	0.012
10061-01-5	cis-1,3-Dichloropropene	0.012	U	0.000269	0.012
10061-02-6	trans-1,3-Dichloropropene	0.012	U	0.000329	0.012
100-41-4	Ethylbenzene	0.012	U	0.000484	0.012
87-68-3	Hexachlorobutadiene	0.012	U	0.00291	0.012
98-82-8	Isopropylbenzene (Cumene)	0.012	U	0.000358	0.012
79-20-9	Methyl Acetate	0.012	U	0.00357	0.012
74-88-4	Methyl iodide	0.012	U	0.00212	0.012
108-87-2	Methylcyclohexane	0.012	U	0.000865	0.012
75-09-2	Methylene chloride	0.023	U	0.00112	0.023
91-20-3	Naphthalene	0.012	U	0.000879	0.012
100-42-5	Styrene	0.012	U	0.000355	0.012
127-18-4	Tetrachloroethene	0.012	U	0.000449	0.012
108-88-3	Toluene	0.012	U	0.00129	0.012
79-01-6	Trichloroethene	0.012	U	0.000414	0.012
75-69-4	Trichlorofluoromethane	0.012	U	0.000589	0.012
76-13-1	Trichlorotrifluoroethane	0.012	U	0.000439	0.012
108-05-4	Vinyl acetate	0.012	U	0.00229	0.012

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED3-003 (0-0.5)D

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.9 (g/ml) g

Lab Sample ID: 20612072814

Level: (low/med) LOW

Lab File ID: 2061210/v7105

% Moisture: not dec. 56.3

Date Collected: 12/06/06 Time: 1100

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2016

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.012	U	0.000820	0.012
1330-20-7	Xylene (total)	0.023	U	0.00134	0.023
156-59-2	cis-1,2-Dichloroethene	0.012	U	0.000294	0.012
136777-61-	m,p-Xylene	0.012	U	0.000930	0.012
71-36-3	n-Butyl alcohol	0.058	U	0.00234	0.058
103-65-1	n-Propylbenzene	0.012	U	0.000327	0.012
95-47-6	o-Xylene	0.012	U	0.000407	0.012
135-98-8	sec-Butylbenzene	0.012	U	0.000273	0.012
1634-04-4	tert-Butyl methyl ether (MTBE)	0.012	U	0.000173	0.012
98-06-6	tert-Butylbenzene	0.012	U	0.000589	0.012
156-60-5	trans-1,2-Dichloroethene	0.012	U	0.000383	0.012
110-57-6	trans-1,4-Dichloro-2-butene	0.012	U	0.00168	0.012

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7105.d
Lab Smp Id: 20612072814 Client Smp ID: SWSED3-003 (0-0.5)D
Inj Date : 10-DEC-2006 20:16
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072814*SWSED3-003 (0-0.5)D
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.90000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

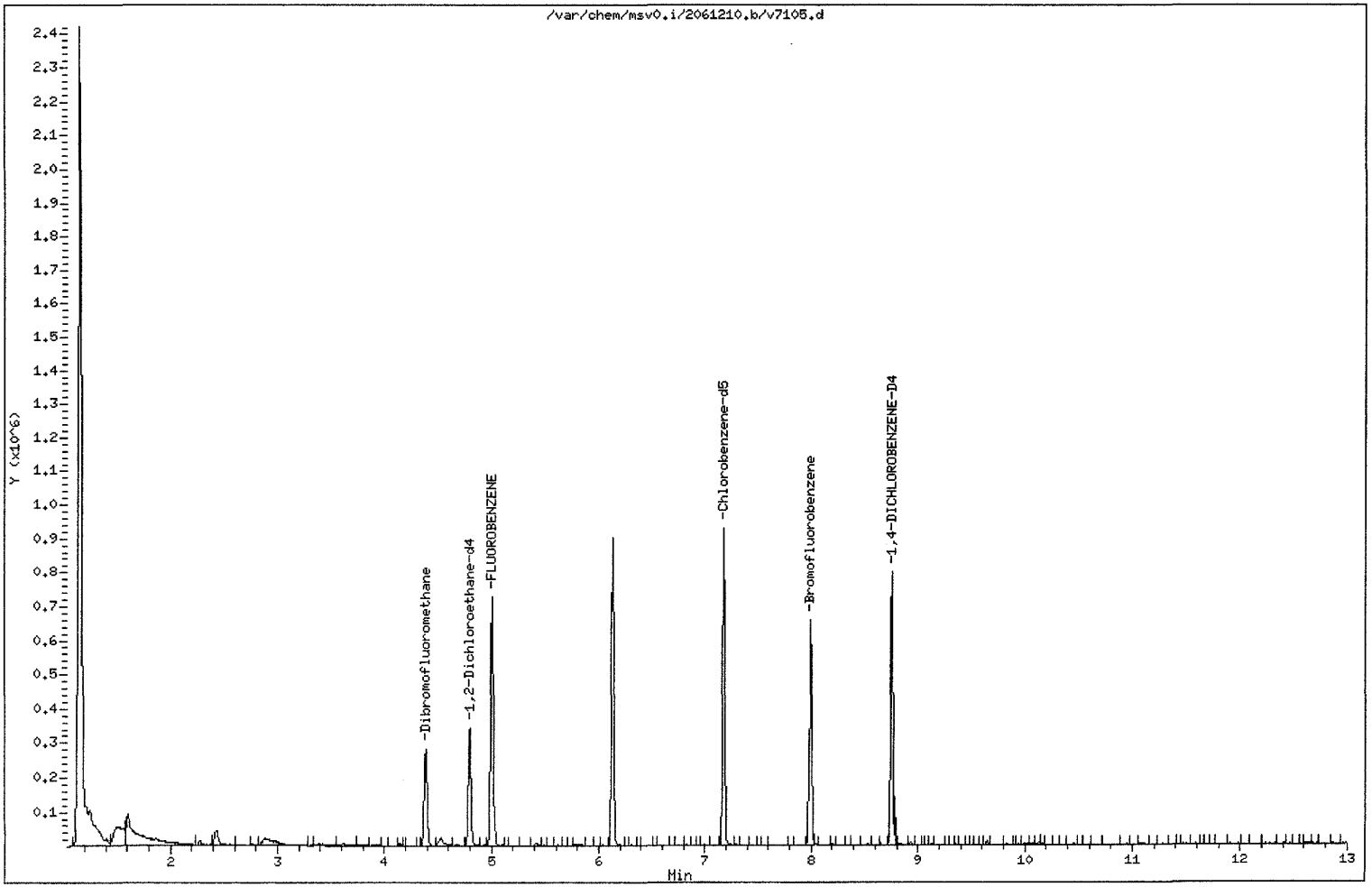
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	12 Acetone	43	2.884	2.865	(0.576)	103577	40.9718	41.8	8575
$	41 Dibromofluoromethane	111	4.387	4.388	(0.877)	174510	44.5163	45.4	5432
	31 2-Butanone	43	4.526	4.514	(0.905)	52710	6.07226	6.20	
$	47 1,2-Dichloroethane-d4	67	4.798	4.792	(0.959)	115522	49.0547	50.1	9576
*	49 FLUOROBENZENE	96	5.003	5.004	(1.000)	541165	50.0000		9763
$	67 Toluene-d8	98	6.122	6.123	(0.853)	490014	43.5399	44.4	9665
*	85 Chlorobenzene-d5	82	7.175	7.176	(1.000)	237183	50.0000		2818
$	98 Bromofluorobenzene	174	7.990	7.991	(1.114)	128997	41.8545	42.7	8904
*	115 1,4-DICHLOROBENZENE-D4	152	8.752	8.753	(1.000)	157493	50.0000		3607

034190

Data File: /var/chem/msv0.i/2061210.b/v7105.d
Date : 10-DEC-2006 20:16
Client ID: SWSED3-003 (0-0.5)D
Sample Info: 20612072814*SWSED3-003 (0-0.5)D

Instrument: msv0.i
Operator: KCB
Column diameter: 0.53

Column phase: DB-624-30M



000135

034191

Data File: /var/chem/msv0.i/2061210.b/v7105.d

Date : 10-DEC-2006 20:16

Client ID: SWSED3-003 (0-0.5)D

Instrument: msv0.i

Sample Info: 20612072814*SWSED3-003 (0-0.5)D

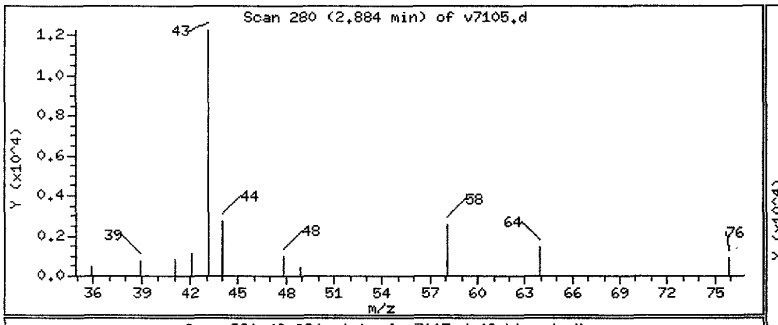
Operator: KCB

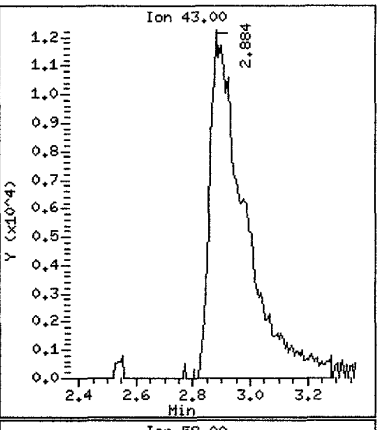
Column phase: DB-624-30M

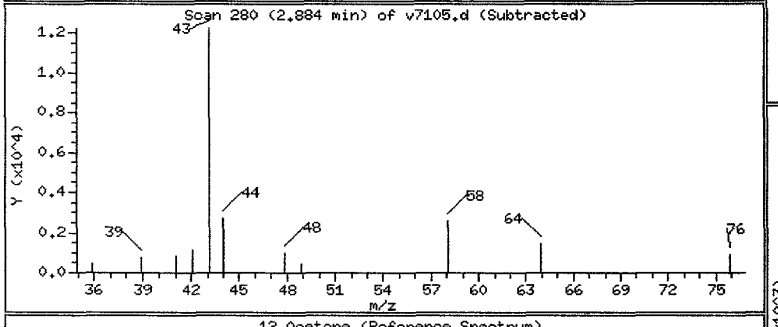
Column diameter: 0.53

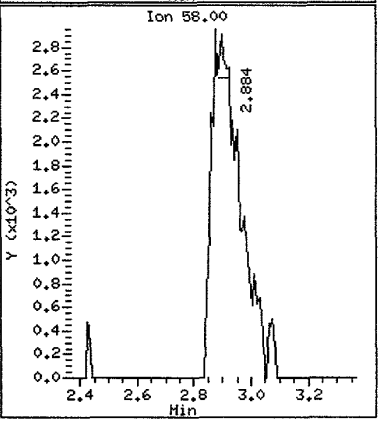
12 Acetone

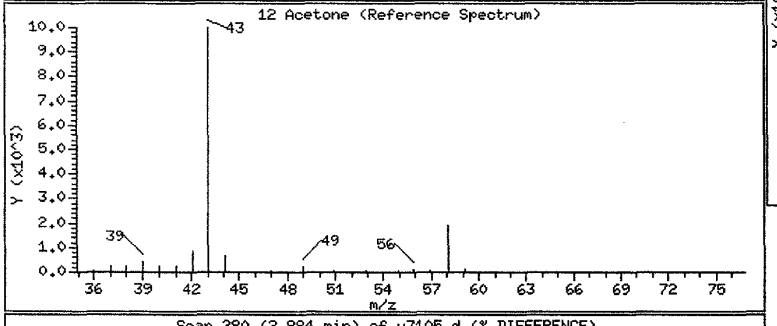
Concentration: 41.8 ug/Kg

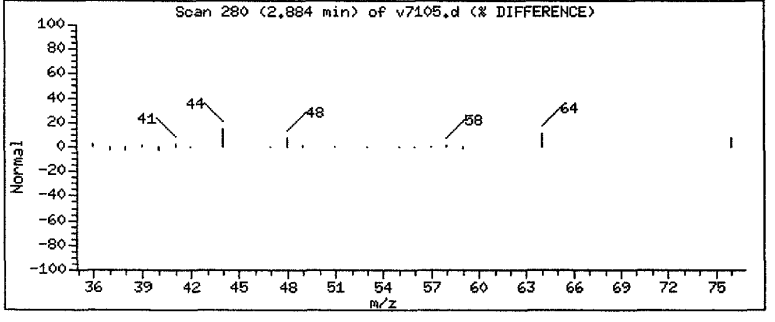












Data File: /var/chem/msv0.i/2061210.b/v7105.d

Date : 10-DEC-2006 20:16

Client ID: SWSED3-003 (0-0.5)D

Instrument: msv0.i

Sample Info: 20612072814*SWSED3-003 (0-0.5)D

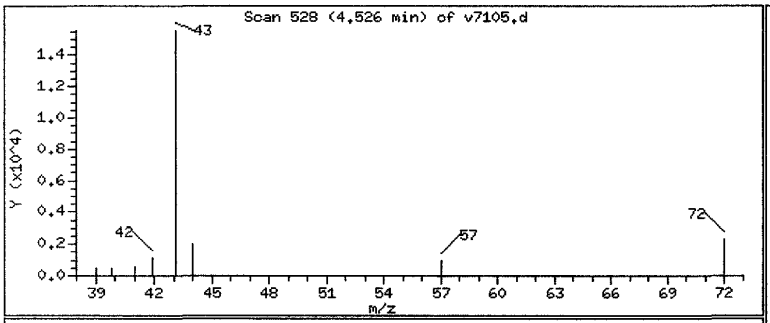
Operator: KCB

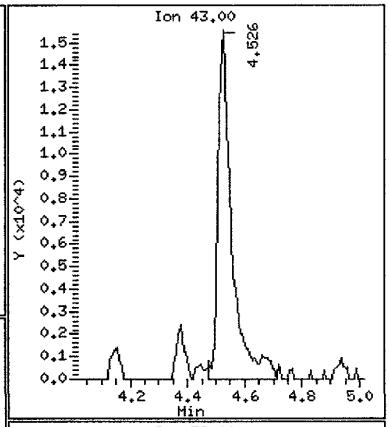
Column phase: DB-624-30M

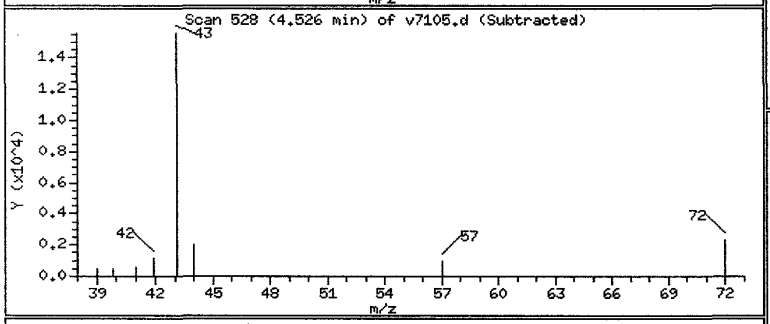
Column diameter: 0.53

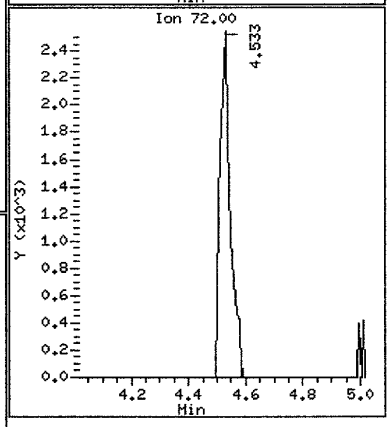
31 2-Butanone

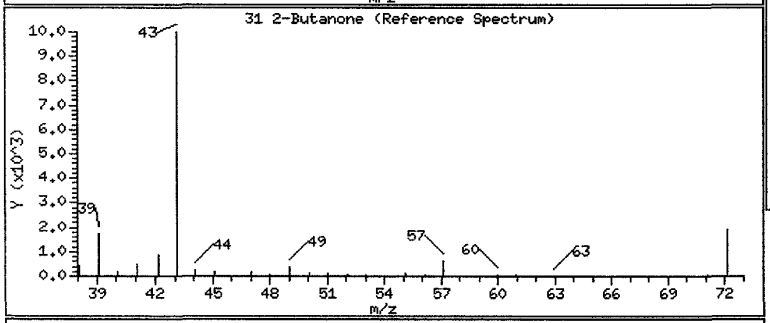
Concentration: 6.20 ug/Kg

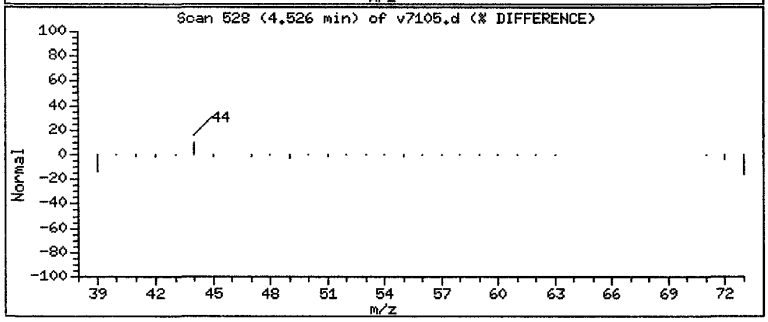












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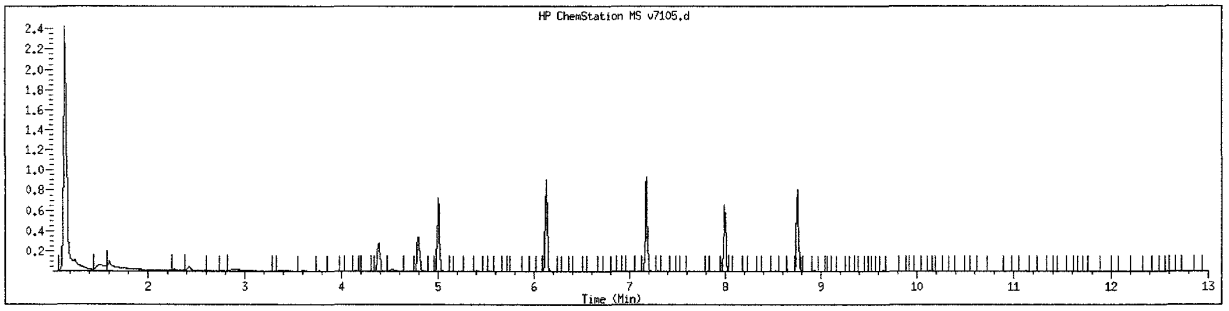
Data file : /var/chem/msv0.i/2061210.b/v7105.d Page: 1
Report Date: 12/11/2006 06:24

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072814 SampleType : SAMPLE
Injection Date: 10-DEC-2006 20:16 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072814*SWSED3-003 (0-0.5)D
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000138

034194

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED4-004 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g

Lab Sample ID: 20612072815

Level: (low/med) LOW

Lab File ID: 2061210/v7106

% Moisture: not dec. 53.6

Date Collected: 12/06/06 Time: 1130

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2036

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.011	U	0.000386	0.011
71-55-6	1,1,1-Trichloroethane	0.011	U	0.000270	0.011
79-34-5	1,1,2,2-Tetrachloroethane	0.011	U	0.000395	0.011
79-00-5	1,1,2-Trichloroethane	0.011	U	0.000250	0.011
75-34-3	1,1-Dichloroethane	0.011	U	0.000349	0.011
75-35-4	1,1-Dichloroethene	0.011	U	0.000788	0.011
563-58-6	1,1-Dichloropropene	0.011	U	0.000285	0.011
96-18-4	1,2,3-Trichloropropane	0.00439	U	0.000538	0.00439
120-82-1	1,2,4-Trichlorobenzene	0.011	U	0.000718	0.011
95-63-6	1,2,4-Trimethylbenzene	0.011	U	0.000434	0.011
96-12-8	1,2-Dibromo-3-chloropropane	0.011	U	0.00190	0.011
106-93-4	1,2-Dibromoethane	0.011	U	0.000329	0.011
95-50-1	1,2-Dichlorobenzene	0.011	U	0.000250	0.011
107-06-2	1,2-Dichloroethane	0.011	U	0.000250	0.011
78-87-5	1,2-Dichloropropane	0.011	U	0.000246	0.011
108-67-8	1,3,5-Trimethylbenzene	0.011	U	0.000358	0.011
541-73-1	1,3-Dichlorobenzene	0.011	U	0.000518	0.011
142-28-9	1,3-Dichloropropane	0.011	U	0.000298	0.011
106-46-7	1,4-Dichlorobenzene	0.011	U	0.000924	0.011
594-20-7	2,2-Dichloropropane	0.011	U	0.000386	0.011
78-93-3	2-Butanone	0.014	B	0.000685	0.011
110-75-8	2-Chloroethylvinyl ether	0.011	U	0.00461	0.011
95-49-8	2-Chlorotoluene	0.011	U	0.000329	0.011
591-78-6	2-Hexanone	0.011	U	0.00181	0.011
106-43-4	4-Chlorotoluene	0.011	U	0.000713	0.011
99-87-6	4-Isopropyltoluene	0.011	U	0.000353	0.011
108-10-1	4-Methyl-2-pentanone	0.011	U	0.000380	0.011
67-64-1	Acetone	0.077	B	0.000821	0.055
107-02-8	Acrolein	0.055	U	0.00513	0.055
107-13-1	Acrylonitrile	0.055	U	0.00156	0.055
71-43-2	Benzene	0.011	U	0.000228	0.011

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED4-004 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g

Lab Sample ID: 20612072815

Level: (low/med) LOW

Lab File ID: 2061210/v7106

% Moisture: not dec. 53.6

Date Collected: 12/06/06 Time: 1130

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2036

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.011	U	0.000516	0.011
75-27-4	Bromodichloromethane	0.011	U	0.000296	0.011
75-25-2	Bromoform	0.011	U	0.000371	0.011
74-83-9	Bromomethane	0.011	U	0.00330	0.011
104-51-8	n-Butylbenzene	0.011	U	0.000391	0.011
75-15-0	Carbon disulfide	0.011	U	0.000239	0.011
56-23-5	Carbon tetrachloride	0.011	U	0.000263	0.011
108-90-7	Chlorobenzene	0.011	U	0.000362	0.011
75-00-3	Chloroethane	0.011	U	0.00133	0.011
67-66-3	Chloroform	0.011	U	0.000309	0.011
74-87-3	Chloromethane	0.011	U	0.00102	0.011
110-82-7	Cyclohexane	0.011	U	0.00243	0.011
124-48-1	Dibromochloromethane	0.011	U	0.000197	0.011
74-95-3	Dibromomethane	0.011	U	0.000342	0.011
75-71-8	Dichlorodifluoromethane	0.011	U	0.000799	0.011
10061-01-5	cis-1,3-Dichloropropene	0.011	U	0.000252	0.011
10061-02-6	trans-1,3-Dichloropropene	0.011	U	0.000309	0.011
100-41-4	Ethylbenzene	0.011	U	0.000454	0.011
87-68-3	Hexachlorobutadiene	0.011	U	0.00273	0.011
98-82-8	Isopropylbenzene (Cumene)	0.011	U	0.000336	0.011
79-20-9	Methyl Acetate	0.011	U	0.00336	0.011
74-88-4	Methyl iodide	0.011	U	0.00199	0.011
108-87-2	Methylcyclohexane	0.011	U	0.000812	0.011
75-09-2	Methylene chloride	0.022	U	0.00105	0.022
91-20-3	Naphthalene	0.011	U	0.000825	0.011
100-42-5	Styrene	0.011	U	0.000334	0.011
127-18-4	Tetrachloroethene	0.011	U	0.000421	0.011
108-88-3	Toluene	0.011	U	0.00121	0.011
79-01-6	Trichloroethene	0.011	U	0.000388	0.011
75-69-4	Trichlorofluoromethane	0.011	U	0.000553	0.011
76-13-1	Trichlorotrifluoroethane	0.011	U	0.000413	0.011
108-05-4	Vinyl acetate	0.011	U	0.00215	0.011

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED4-004 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.91 (g/ml) g

Lab Sample ID: 20612072815

Level: (low/med) LOW

Lab File ID: 2061210/v7106

% Moisture: not dec. 53.6

Date Collected: 12/06/06 Time: 1130

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2036

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.011	U	0.000770	0.011
1330-20-7	Xylene (total)	0.022	U	0.00126	0.022
156-59-2	cis-1,2-Dichloroethene	0.011	U	0.000276	0.011
136777-61-	m,p-Xylene	0.011	U	0.000873	0.011
71-36-3	n-Butyl alcohol	0.055	U	0.00219	0.055
103-65-1	n-Propylbenzene	0.011	U	0.000307	0.011
95-47-6	o-Xylene	0.011	U	0.000382	0.011
135-98-8	sec-Butylbenzene	0.011	U	0.000257	0.011
1634-04-4	tert-Butyl methyl ether (MTBE)	0.011	U	0.000162	0.011
98-06-6	tert-Butylbenzene	0.011	U	0.000553	0.011
156-60-5	trans-1,2-Dichloroethene	0.011	U	0.000360	0.011
110-57-6	trans-1,4-Dichloro-2-butene	0.011	U	0.00158	0.011

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7106.d
Lab Smp Id: 20612072815 Client Smp ID: SWSED4-004 (0-0.5)
Inj Date : 10-DEC-2006 20:36
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072815*SWSED4-004 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.91000	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
12 Acetone	43	2.884	2.865	(0.576)	90182	35.2092	35.9	8424
$ 41 Dibromofluoromethane	111	4.387	4.388	(0.877)	175599	45.4508	46.3	5432
31 2-Butanone	43	4.527	4.514	(0.905)	53274	6.22719	6.34	
$ 47 1,2-Dichloroethane-d4	67	4.791	4.792	(0.958)	111810	48.1745	49.1	9518
* 49 FLUOROBENZENE	96	5.003	5.004	(1.000)	533347	50.0000		9763
$ 67 Toluene-d8	98	6.123	6.123	(0.853)	471548	44.9799	45.8	9700
* 85 Chlorobenzene-d5	82	7.176	7.176	(1.000)	220938	50.0000		2797
$ 98 Bromofluorobenzene	174	7.990	7.991	(1.114)	114603	39.9182	40.6	8949
* 115 1,4-DICHLOROBENZENE-D4	152	8.752	8.753	(1.000)	123003	50.0000		3601

Data File: /var/chem/msv0.i/2061210.b/v7106.d

Page 1

Date : 10-DEC-2006 20:36

Client ID: SWSED4-004 (0-0.5)

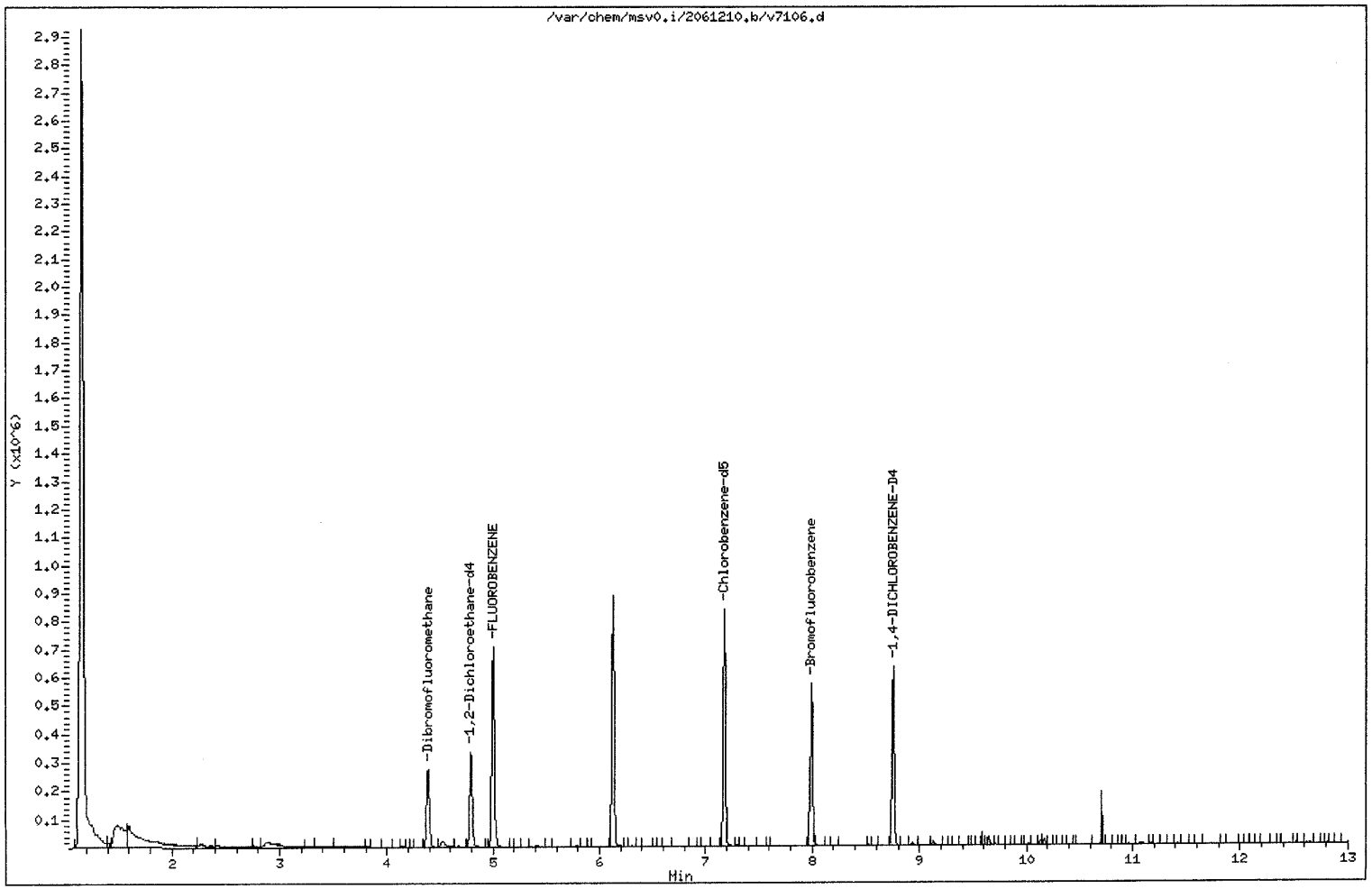
Instrument: msv0.i

Sample Info: 20612072815*SWSED4-004 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7106.d

Date : 10-DEC-2006 20:36

Client ID: SWSED4-004 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072815*SWSED4-004 (0-0.5)

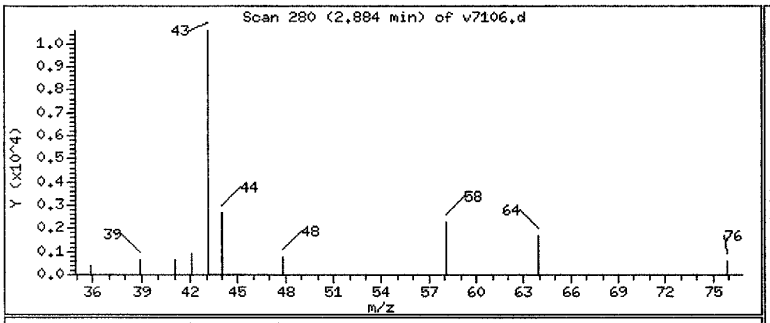
Operator: KCB

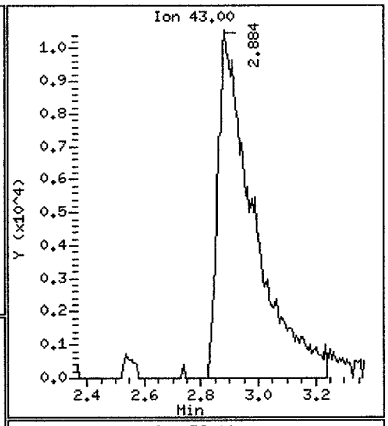
Column phase: DB-624-30M

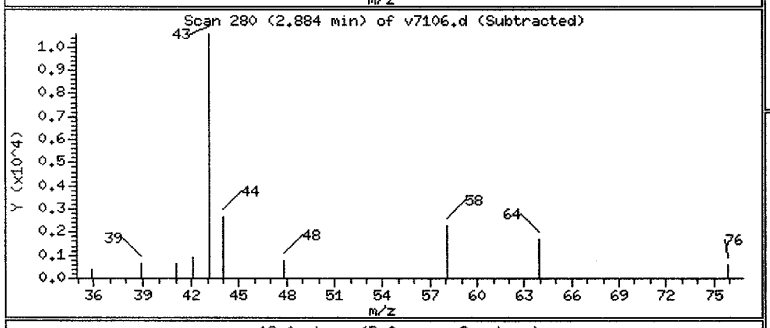
Column diameter: 0.53

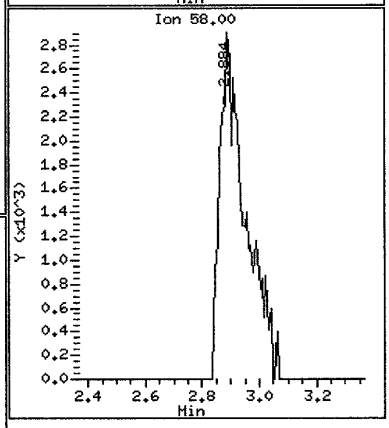
12 Acetone

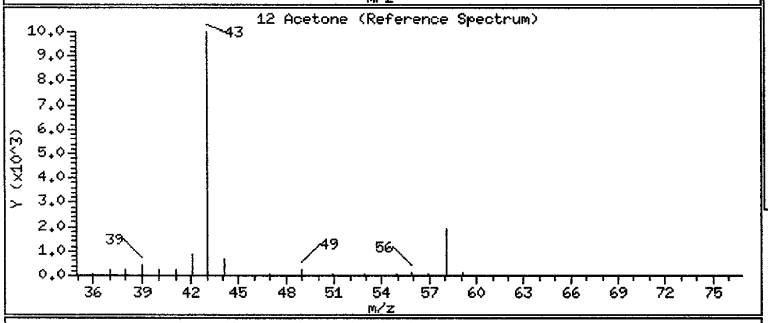
Concentration: 35.9 ug/Kg

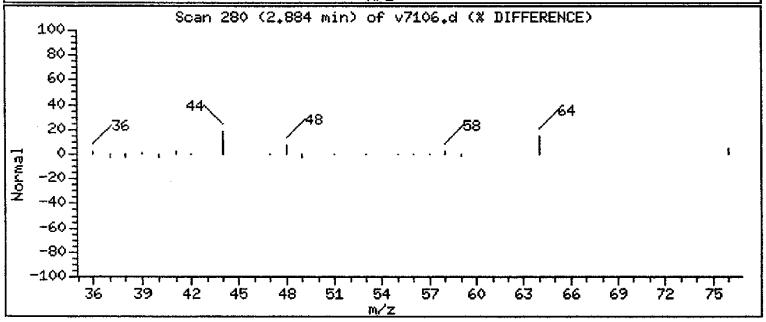












000144

034200

Data File: /var/chem/msv0.i/2061210.b/v7106.d

Date : 10-DEC-2006 20:36

Client ID: SWSED4-004 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072815*SWSED4-004 (0-0.5)

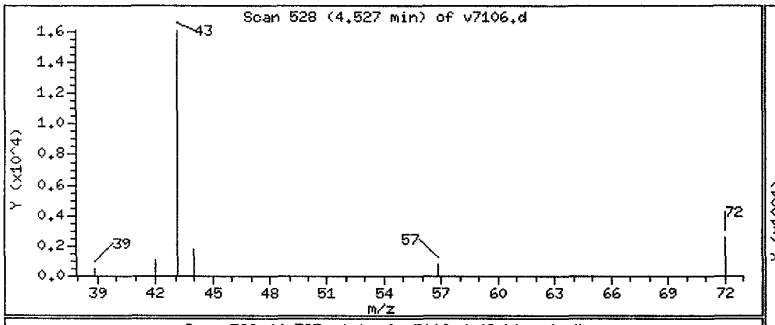
Operator: KCB

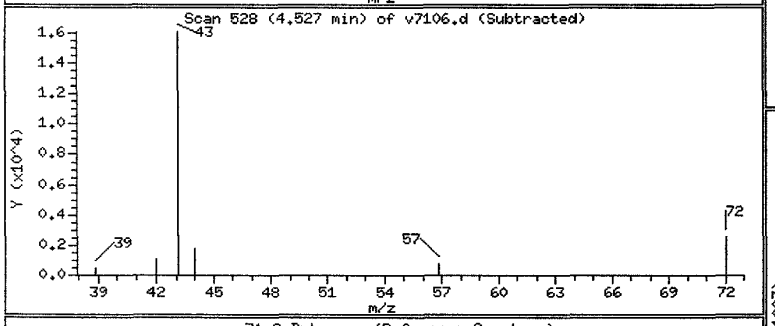
Column phase: DB-624-30M

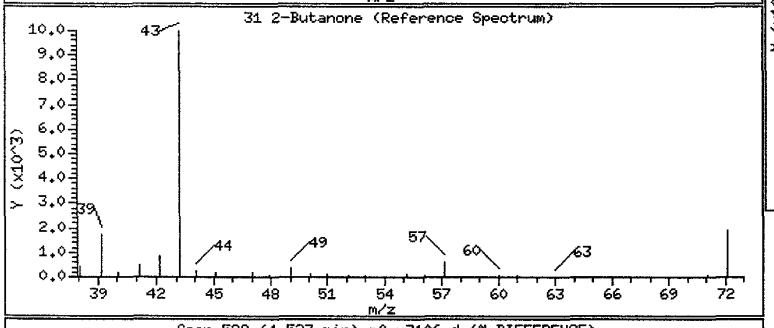
Column diameter: 0.53

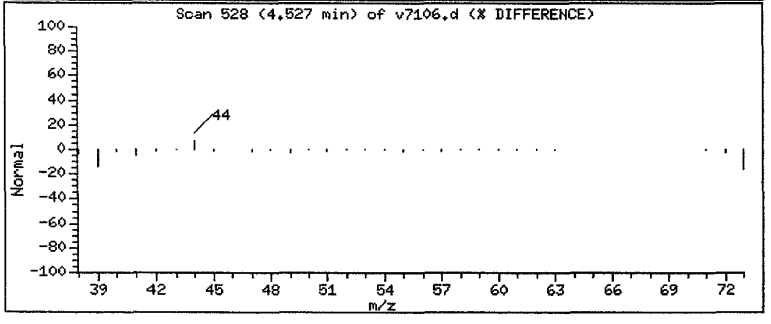
31 2-Butanone

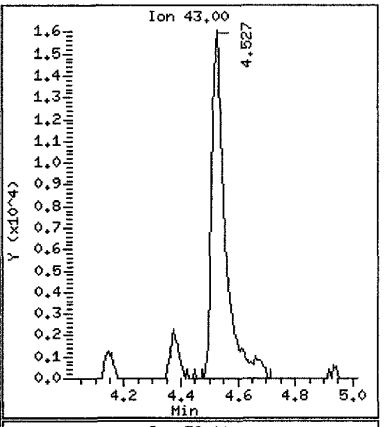
Concentration: 6.34 ug/Kg

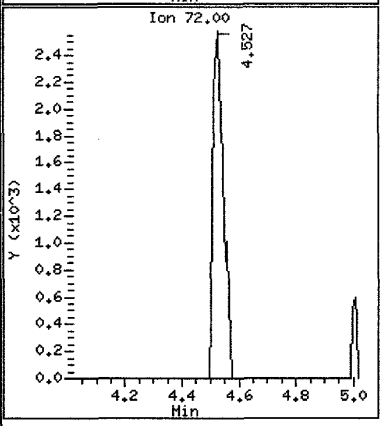








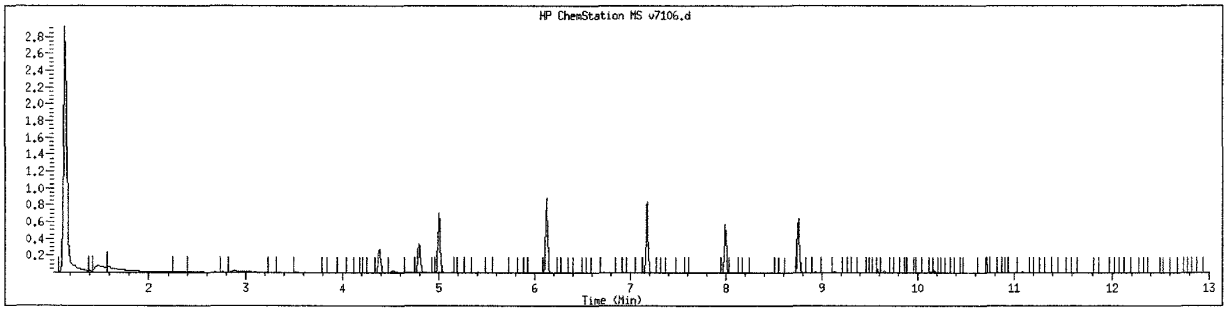




Data file : /var/chem/msv0.i/2061210.b/v7106.d Page: 1
Report Date: 12/11/2006 06:25

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072815 SampleType : SAMPLE
Injection Date: 10-DEC-2006 20:36 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072815*SWSED4-004 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED15-015 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.99 (g/ml) g Lab Sample ID: 20612072816

Level: (low/med) LOW Lab File ID: 2061210/v7107

% Moisture: not dec. 65.7 Date Collected: 12/06/06 Time: 1135

GC Column: DB-624-30M ID: .53 (mm) Date Received: 12/07/06

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 2057

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.015	U	0.000513	0.015
71-55-6	1,1,1-Trichloroethane	0.015	U	0.000359	0.015
79-34-5	1,1,2,2-Tetrachloroethane	0.015	U	0.000525	0.015
79-00-5	1,1,2-Trichloroethane	0.015	U	0.000333	0.015
75-34-3	1,1-Dichloroethane	0.015	U	0.000464	0.015
75-35-4	1,1-Dichloroethene	0.015	U	0.00105	0.015
563-58-6	1,1-Dichloropropene	0.015	U	0.000379	0.015
96-18-4	1,2,3-Trichloropropane	0.00583	U	0.000715	0.00583
120-82-1	1,2,4-Trichlorobenzene	0.015	U	0.000954	0.015
95-63-6	1,2,4-Trimethylbenzene	0.015	U	0.000578	0.015
96-12-8	1,2-Dibromo-3-chloropropane	0.015	U	0.00253	0.015
106-93-4	1,2-Dibromoethane	0.015	U	0.000438	0.015
95-50-1	1,2-Dichlorobenzene	0.015	U	0.000333	0.015
107-06-2	1,2-Dichloroethane	0.015	U	0.000333	0.015
78-87-5	1,2-Dichloropropane	0.015	U	0.000327	0.015
108-67-8	1,3,5-Trimethylbenzene	0.015	U	0.000475	0.015
541-73-1	1,3-Dichlorobenzene	0.015	U	0.000688	0.015
142-28-9	1,3-Dichloropropane	0.015	U	0.000397	0.015
106-46-7	1,4-Dichlorobenzene	0.015	U	0.00123	0.015
594-20-7	2,2-Dichloropropane	0.015	U	0.000513	0.015
78-93-3	2-Butanone	0.021	B	0.000910	0.015
110-75-8	2-Chloroethylvinyl ether	0.015	U	0.00613	0.015
95-49-8	2-Chlorotoluene	0.015	U	0.000438	0.015
591-78-6	2-Hexanone	0.015	U	0.00241	0.015
106-43-4	4-Chlorotoluene	0.015	U	0.000948	0.015
99-87-6	4-Isopropyltoluene	0.015	U	0.000470	0.015
108-10-1	4-Methyl-2-pentanone	0.015	U	0.000505	0.015
67-64-1	Acetone	0.121	B	0.00109	0.073
107-02-8	Acrolein	0.073	U	0.00683	0.073
107-13-1	Acrylonitrile	0.073	U	0.00208	0.073
71-43-2	Benzene	0.015	U	0.000303	0.015

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED15-015 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.99 (g/ml) g Lab Sample ID: 20612072816

Level: (low/med) LOW Lab File ID: 2061210/v7107

% Moisture: not dec. 65.7 Date Collected: 12/06/06 Time: 1135

GC Column: DB-624-30M ID: .53 (mm) Date Received: 12/07/06

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 2057

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.015	U	0.000686	0.015
75-27-4	Bromodichloromethane	0.015	U	0.000394	0.015
75-25-2	Bromoform	0.015	U	0.000493	0.015
74-83-9	Bromomethane	0.015	U	0.00439	0.015
104-51-8	n-Butylbenzene	0.015	U	0.000519	0.015
75-15-0	Carbon disulfide	0.015	U	0.000318	0.015
56-23-5	Carbon tetrachloride	0.015	U	0.000350	0.015
108-90-7	Chlorobenzene	0.015	U	0.000481	0.015
75-00-3	Chloroethane	0.015	U	0.00177	0.015
67-66-3	Chloroform	0.015	U	0.000411	0.015
74-87-3	Chloromethane	0.015	U	0.00135	0.015
110-82-7	Cyclohexane	0.015	U	0.00323	0.015
124-48-1	Dibromochloromethane	0.015	U	0.000263	0.015
74-95-3	Dibromomethane	0.015	U	0.000455	0.015
75-71-8	Dichlorodifluoromethane	0.015	U	0.00106	0.015
10061-01-5	cis-1,3-Dichloropropene	0.015	U	0.000335	0.015
10061-02-6	trans-1,3-Dichloropropene	0.015	U	0.000411	0.015
100-41-4	Ethylbenzene	0.015	U	0.000604	0.015
87-68-3	Hexachlorobutadiene	0.015	U	0.00363	0.015
98-82-8	Isopropylbenzene (Cumene)	0.015	U	0.000446	0.015
79-20-9	Methyl Acetate	0.015	U	0.00446	0.015
74-88-4	Methyl iodide	0.015	U	0.00264	0.015
108-87-2	Methylcyclohexane	0.015	U	0.00108	0.015
75-09-2	Methylene chloride	0.029	U	0.00140	0.029
91-20-3	Naphthalene	0.015	U	0.00110	0.015
100-42-5	Styrene	0.015	U	0.000443	0.015
127-18-4	Tetrachloroethene	0.015	U	0.000560	0.015
108-88-3	Toluene	0.015	U	0.00160	0.015
79-01-6	Trichloroethene	0.015	U	0.000516	0.015
75-69-4	Trichlorofluoromethane	0.015	U	0.000735	0.015
76-13-1	Trichlorotrifluoroethane	0.015	U	0.000548	0.015
108-05-4	Vinyl acetate	0.015	U	0.00286	0.015

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED15-015 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.99 (g/ml) g

Lab Sample ID: 20612072816

Level: (low/med) LOW

Lab File ID: 2061210/v7107

% Moisture: not dec. 65.7

Date Collected: 12/06/06 Time: 1135

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2057

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.015	U	0.00102	0.015
1330-20-7	Xylene (total)	0.029	U	0.00167	0.029
156-59-2	cis-1,2-Dichloroethene	0.015	U	0.000368	0.015
136777-61-	m,p-Xylene	0.015	U	0.00116	0.015
71-36-3	n-Butyl alcohol	0.073	U	0.00292	0.073
103-65-1	n-Propylbenzene	0.015	U	0.000408	0.015
95-47-6	o-Xylene	0.015	U	0.000508	0.015
135-98-8	sec-Butylbenzene	0.015	U	0.000341	0.015
1634-04-4	tert-Butyl methyl ether (MTBE)	0.015	U	0.000216	0.015
98-06-6	tert-Butylbenzene	0.015	U	0.000735	0.015
156-60-5	trans-1,2-Dichloroethene	0.015	U	0.000478	0.015
110-57-6	trans-1,4-Dichloro-2-butene	0.015	U	0.00210	0.015

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7107.d
Lab Smp Id: 20612072816 Client Smp ID: SWSED15-015 (0-0.5)
Inj Date : 10-DEC-2006 20:57
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072816*SWSED15-015 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 25
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	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)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
12 Acetone	43	2.880	2.865	(0.575)	106993	41.6456	41.7	8689
$ 41 Dibromofluoromethane	111	4.384	4.388	(0.876)	176311	44.1208	44.2	5432
31 2-Butanone	43	4.516	4.514	(0.902)	62277	7.03800	7.05	
$ 47 1,2-Dichloroethane-d4	67	4.794	4.792	(0.958)	111679	46.5213	46.6	9536
* 49 FLUOROBENZENE	96	5.006	5.004	(1.000)	551652	50.0000		9807
$ 67 Toluene-d8	98	6.126	6.123	(0.854)	495078	43.8266	43.9	9761
* 85 Chlorobenzene-d5	82	7.172	7.176	(1.000)	238067	50.0000		2832
$ 98 Bromofluorobenzene	174	7.993	7.991	(1.115)	126984	41.0483	41.1	9066
* 115 1,4-DICHLOROBENZENE-D4	152	8.755	8.753	(1.000)	156605	50.0000		3606

000150

034206

Data File: /var/chem/msv0.i/2061210.b/v7107.d

Date : 10-DEC-2006 20:57

Client ID: SWSED15-015 (0-0.5)

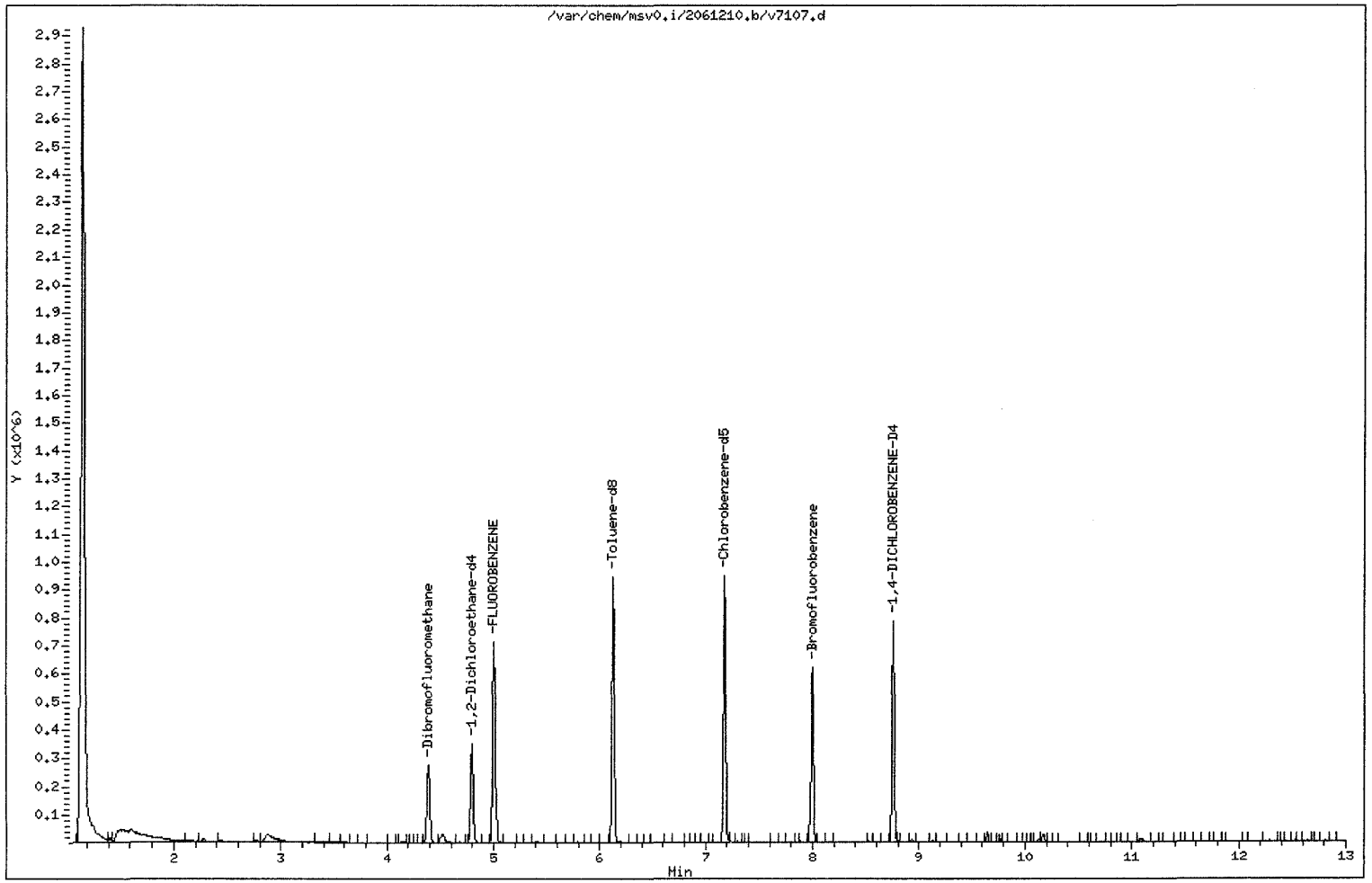
Instrument: msv0.i

Sample Info: 20612072816*SWSED15-015 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7107.d

Date : 10-DEC-2006 20:57

Client ID: SWSED15-015 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072816*SWSED15-015 (0-0.5)

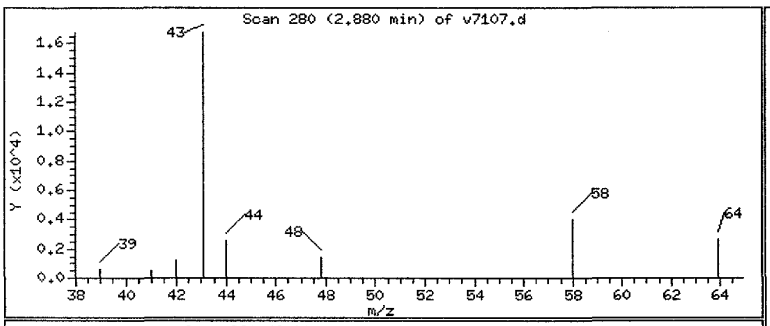
Operator: KCB

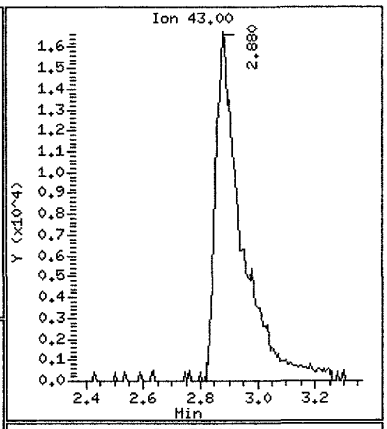
Column phase: DB-624-30M

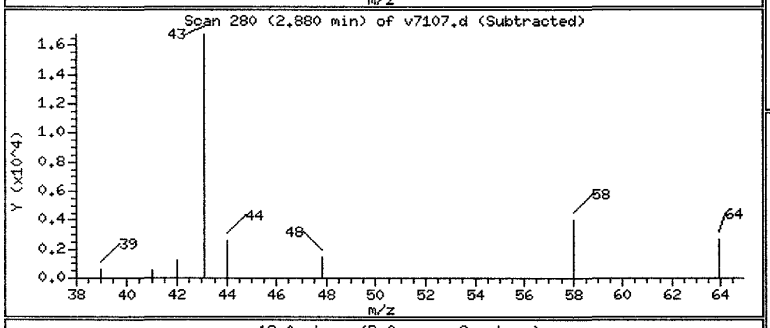
Column diameter: 0.53

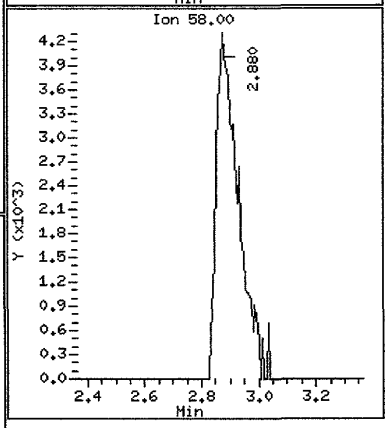
12 Acetone

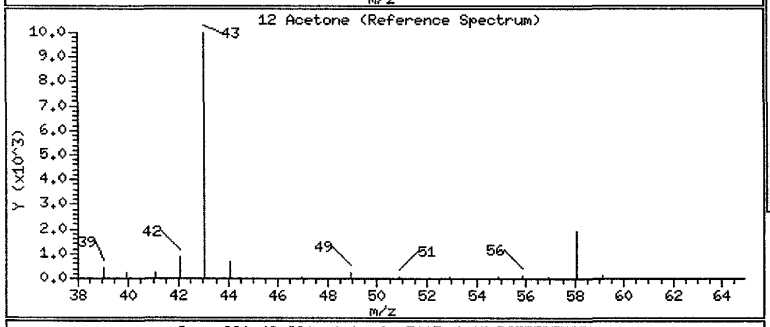
Concentration: 41.7 ug/Kg

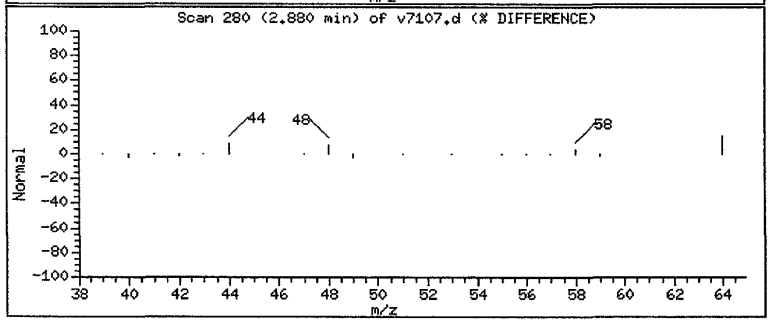












000152

034208

Data File: /var/chem/msv0.i/2061210.b/v7107.d

Date : 10-DEC-2006 20:57

Client ID: SWSED15-015 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072816*SWSED15-015 (0-0.5)

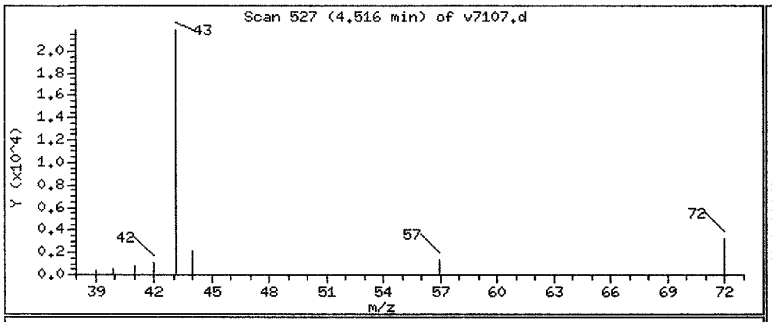
Operator: KCB

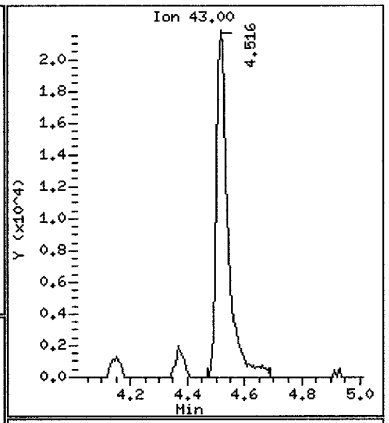
Column phase: DB-624-30M

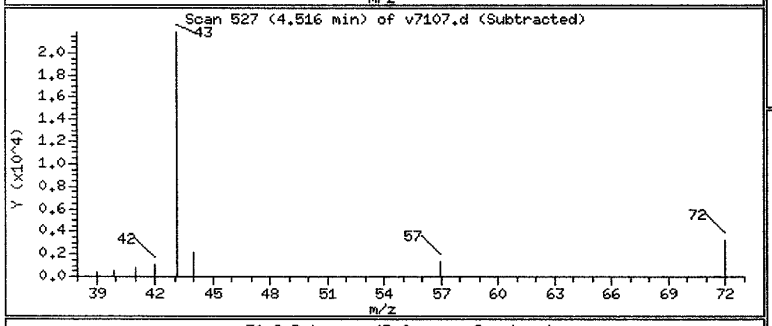
Column diameter: 0.53

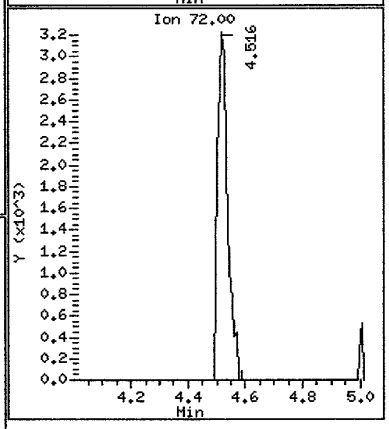
31 2-Butanone

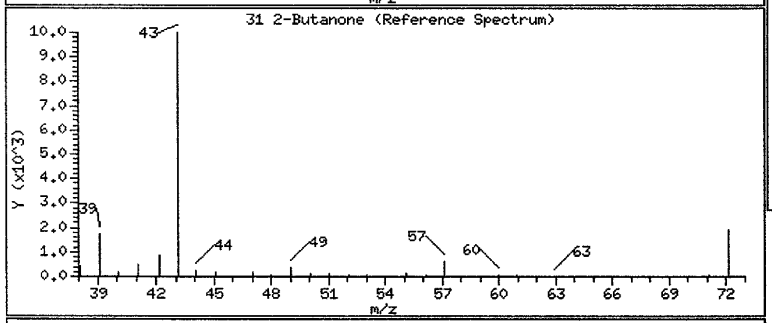
Concentration: 7.05 ug/Kg

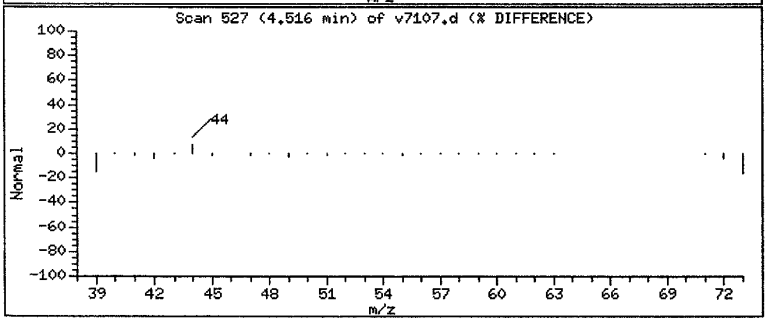










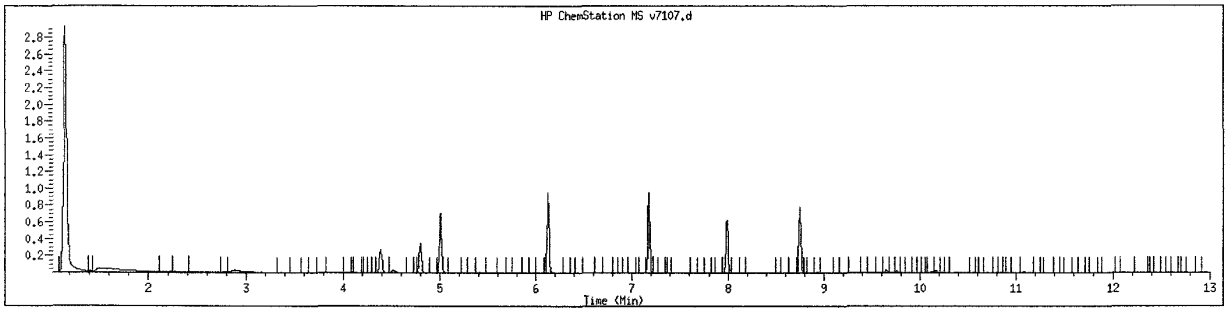


000153

Data file : /var/chem/msv0.i/2061210.b/v7107.d Page: 1
Report Date: 12/11/2006 06:25

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072816	SampleType	: SAMPLE
Injection Date	: 10-DEC-2006 20:57	Instrument	: msv0.i
Operator	: KCB		
Sample Info	: 20612072816*SWSED15-015 (0-0.5)		
Misc Info	: MSV~9605~*1*KCB		
Method	: /var/chem/msv0.i/2061210.b/8260Bs0c.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist:	all



NO MANUAL INTEGRATIONS

000154

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED7-007 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Lab Sample ID: 20612072817

Level: (low/med) LOW

Lab File ID: 2061210/v7108

% Moisture: not dec. 35.3

Date Collected: 12/06/06 Time: 0900

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2117

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00772	U	0.000272	0.00772
71-55-6	1,1,1-Trichloroethane	0.00772	U	0.000190	0.00772
79-34-5	1,1,2,2-Tetrachloroethane	0.00772	U	0.000278	0.00772
79-00-5	1,1,2-Trichloroethane	0.00772	U	0.000176	0.00772
75-34-3	1,1-Dichloroethane	0.00772	U	0.000245	0.00772
75-35-4	1,1-Dichloroethene	0.00772	U	0.000554	0.00772
563-58-6	1,1-Dichloropropene	0.00772	U	0.000201	0.00772
96-18-4	1,2,3-Trichloropropane	0.00309	U	0.000378	0.00309
120-82-1	1,2,4-Trichlorobenzene	0.00772	U	0.000505	0.00772
95-63-6	1,2,4-Trimethylbenzene	0.00772	U	0.000306	0.00772
96-12-8	1,2-Dibromo-3-chloropropane	0.00772	U	0.00134	0.00772
106-93-4	1,2-Dibromoethane	0.00772	U	0.000232	0.00772
95-50-1	1,2-Dichlorobenzene	0.00772	U	0.000176	0.00772
107-06-2	1,2-Dichloroethane	0.00772	U	0.000176	0.00772
78-87-5	1,2-Dichloropropane	0.00772	U	0.000173	0.00772
108-67-8	1,3,5-Trimethylbenzene	0.00772	U	0.000252	0.00772
541-73-1	1,3-Dichlorobenzene	0.00772	U	0.000364	0.00772
142-28-9	1,3-Dichloropropane	0.00772	U	0.000210	0.00772
106-46-7	1,4-Dichlorobenzene	0.00772	U	0.000650	0.00772
594-20-7	2,2-Dichloropropane	0.00772	U	0.000272	0.00772
78-93-3	2-Butanone	0.00223	JB	0.000482	0.00772
110-75-8	2-Chloroethylvinyl ether	0.00772	U	0.00325	0.00772
95-49-8	2-Chlorotoluene	0.00772	U	0.000232	0.00772
591-78-6	2-Hexanone	0.00772	U	0.00127	0.00772
106-43-4	4-Chlorotoluene	0.00772	U	0.000502	0.00772
99-87-6	4-Isopropyltoluene	0.00772	U	0.000248	0.00772
108-10-1	4-Methyl-2-pentanone	0.00772	U	0.000267	0.00772
67-64-1	Acetone	0.019	JB	0.000577	0.039
107-02-8	Acrolein	0.039	U	0.00361	0.039
107-13-1	Acrylonitrile	0.039	U	0.00110	0.039
71-43-2	Benzene	0.00772	U	0.000161	0.00772

000155

034211

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED7-007 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Lab Sample ID: 20612072817

Level: (low/med) LOW

Lab File ID: 2061210/v7108

% Moisture: not dec. 35.3

Date Collected: 12/06/06 Time: 0900

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2117

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00772	U	0.000363	0.00772
75-27-4	Bromodichloromethane	0.00772	U	0.000208	0.00772
75-25-2	Bromoform	0.00772	U	0.000261	0.00772
74-83-9	Bromomethane	0.00772	U	0.00232	0.00772
104-51-8	n-Butylbenzene	0.00772	U	0.000275	0.00772
75-15-0	Carbon disulfide	0.00772	U	0.000168	0.00772
56-23-5	Carbon tetrachloride	0.00772	U	0.000185	0.00772
108-90-7	Chlorobenzene	0.00772	U	0.000255	0.00772
75-00-3	Chloroethane	0.00772	U	0.000935	0.00772
67-66-3	Chloroform	0.00772	U	0.000218	0.00772
74-87-3	Chloromethane	0.00772	U	0.000716	0.00772
110-82-7	Cyclohexane	0.00772	U	0.00171	0.00772
124-48-1	Dibromochloromethane	0.00772	U	0.000139	0.00772
74-95-3	Dibromomethane	0.00772	U	0.000241	0.00772
75-71-8	Dichlorodifluoromethane	0.00772	U	0.000562	0.00772
10061-01-5	cis-1,3-Dichloropropene	0.00772	U	0.000177	0.00772
10061-02-6	trans-1,3-Dichloropropene	0.00772	U	0.000218	0.00772
100-41-4	Ethylbenzene	0.00772	U	0.000319	0.00772
87-68-3	Hexachlorobutadiene	0.00772	U	0.00192	0.00772
98-82-8	Isopropylbenzene (Cumene)	0.00772	U	0.000236	0.00772
79-20-9	Methyl Acetate	0.00772	U	0.00236	0.00772
74-88-4	Methyl iodide	0.00772	U	0.00140	0.00772
108-87-2	Methylcyclohexane	0.00772	U	0.000571	0.00772
75-09-2	Methylene chloride	0.015	U	0.000739	0.015
91-20-3	Naphthalene	0.00772	U	0.000580	0.00772
100-42-5	Styrene	0.00772	U	0.000235	0.00772
127-18-4	Tetrachloroethene	0.00772	U	0.000296	0.00772
108-88-3	Toluene	0.00772	U	0.000849	0.00772
79-01-6	Trichloroethene	0.00772	U	0.000273	0.00772
75-69-4	Trichlorofluoromethane	0.00772	U	0.000389	0.00772
76-13-1	Trichlorotrifluoroethane	0.00772	U	0.000290	0.00772
108-05-4	Vinyl acetate	0.00772	U	0.00151	0.00772

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED7-007 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Lab Sample ID: 20612072817

Level: (low/med) LOW

Lab File ID: 2061210/v7108

% Moisture: not dec. 35.3

Date Collected: 12/06/06 Time: 0900

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2117

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00772	U	0.000542	0.00772
1330-20-7	Xylene (total)	0.015	U	0.000883	0.015
156-59-2	cis-1,2-Dichloroethene	0.00772	U	0.000194	0.00772
136777-61-	m,p-Xylene	0.00772	U	0.000614	0.00772
71-36-3	n-Butyl alcohol	0.039	U	0.00154	0.039
103-65-1	n-Propylbenzene	0.00772	U	0.000216	0.00772
95-47-6	o-Xylene	0.00772	U	0.000269	0.00772
135-98-8	sec-Butylbenzene	0.00772	U	0.000181	0.00772
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00772	U	0.000114	0.00772
98-06-6	tert-Butylbenzene	0.00772	U	0.000389	0.00772
156-60-5	trans-1,2-Dichloroethene	0.00772	U	0.000253	0.00772
110-57-6	trans-1,4-Dichloro-2-butene	0.00772	U	0.00111	0.00772

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7108.d
Lab Smp Id: 20612072817 Client Smp ID: SWSED7-007 (0-0.5)
Inj Date : 10-DEC-2006 21:17
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072817*SWSED7-007 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 26
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.01000	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
12 Acetone	43	2.877	2.865	(0.575)	37943	12.6418	12.6	8024
$ 41 Dibromofluoromethane	111	4.387	4.388	(0.877)	180038	46.9207	46.8	5432
31 2-Butanone	43	4.520	4.514	(0.903)	12244	1.44106	1.44	
$ 47 1,2-Dichloroethane-d4	67	4.798	4.792	(0.959)	108048	46.8743	46.8	9570
* 49 FLUOROBENZENE	96	5.003	5.004	(1.000)	529698	50.0000		9727
$ 67 Toluene-d8	98	6.129	6.123	(0.854)	476653	44.1960	44.1	9834
* 85 Chlorobenzene-d5	82	7.176	7.176	(1.000)	227291	50.0000		2820
$ 98 Bromofluorobenzene	174	7.990	7.991	(1.114)	116653	39.4966	39.4	8900
* 115 1,4-DICHLOROBENZENE-D4	152	8.752	8.753	(1.000)	147337	50.0000		3563

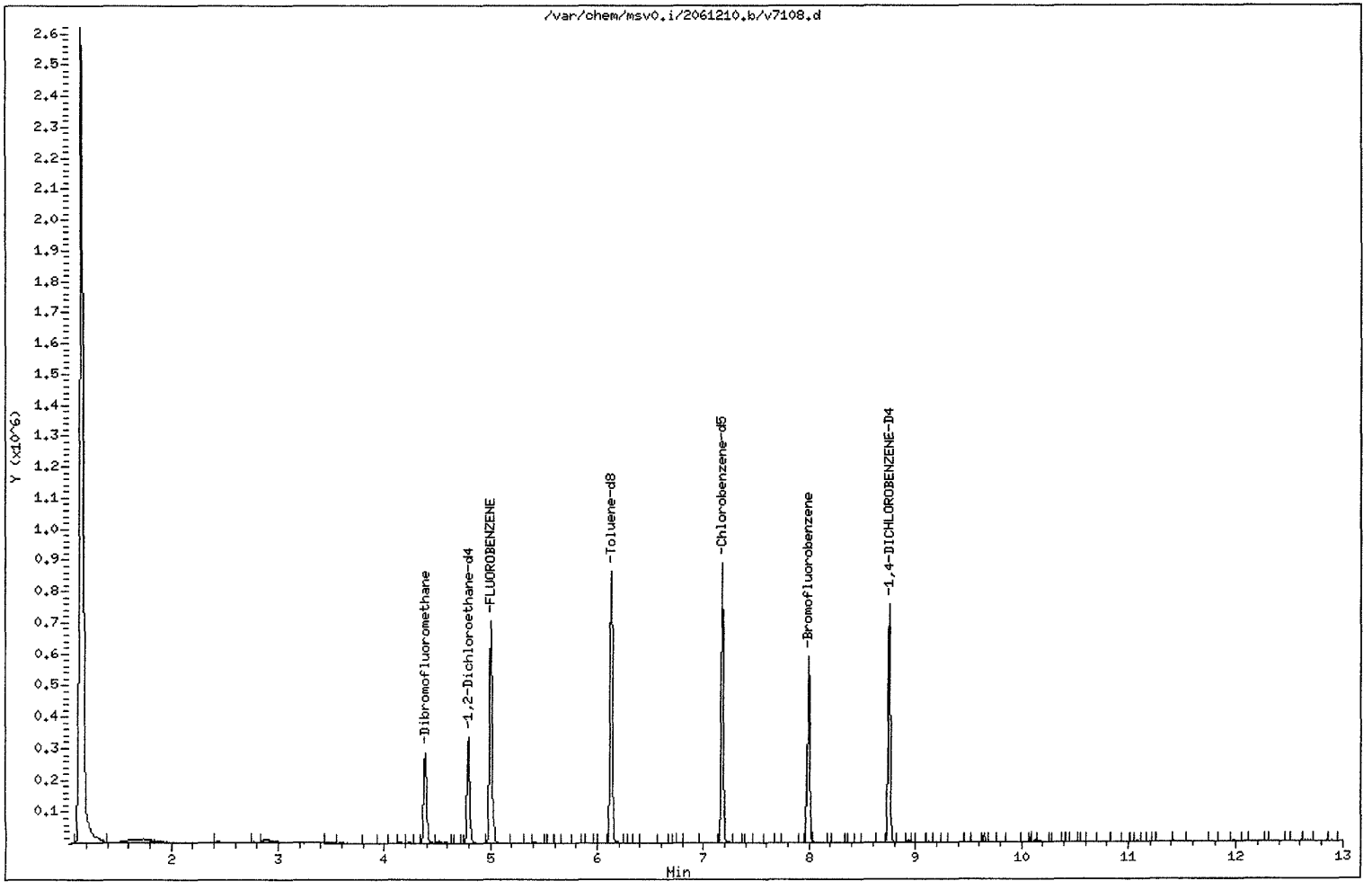
000178

034214

Data File: /var/chem/msv0.i/2061210.b/v7108.d
Date : 10-DEC-2006 21:17
Client ID: SWSED7-007 (0-0.5)
Sample Info: 20612072817*SWSED7-007 (0-0.5)

Instrument: msv0.i
Operator: KCB
Column diameter: 0.53

Column phase: DB-624-30M



034215

Data File: /var/chem/msv0.i/2061210.b/v7108.d

Date : 10-DEC-2006 21:17

Client ID: SWSED7-007 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072817*SWSED7-007 (0-0.5)

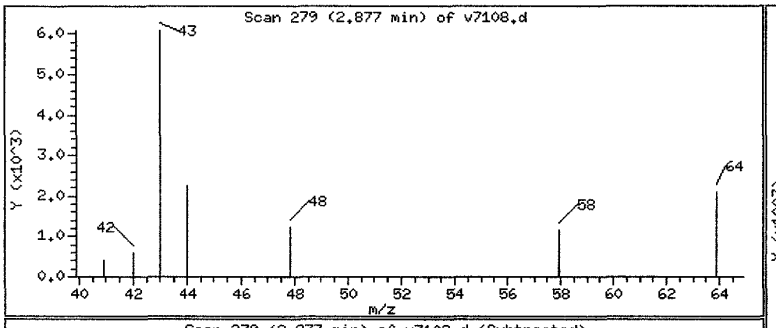
Operator: KCB

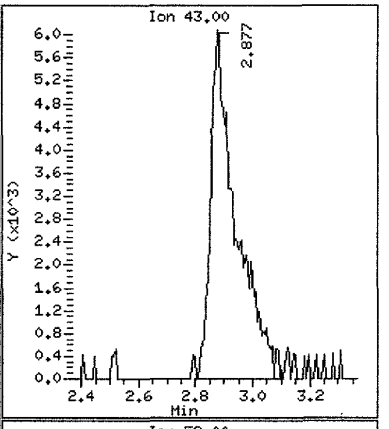
Column phase: DB-624-30M

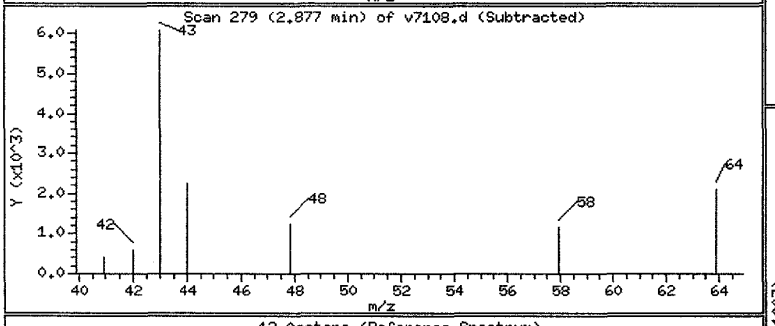
Column diameter: 0.53

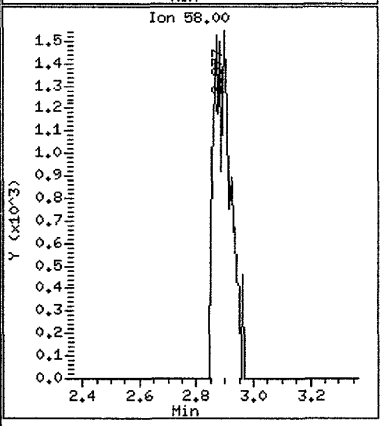
12 Acetone

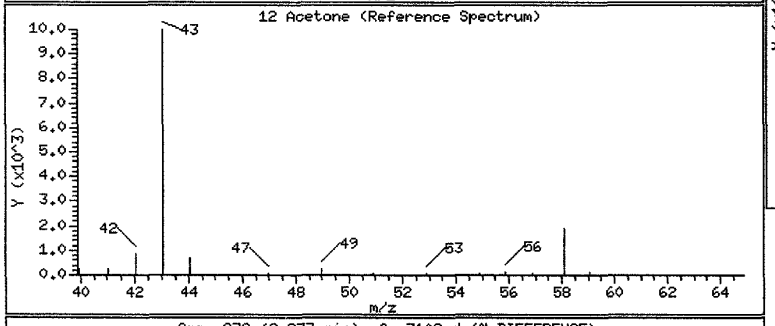
Concentration: 12.6 ug/Kg

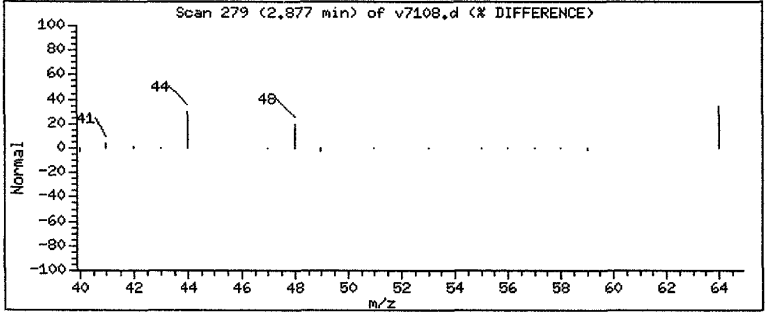












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Date : 10-DEC-2006 21:17

Client ID: SWSED7-007 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072817*SWSED7-007 (0-0.5)

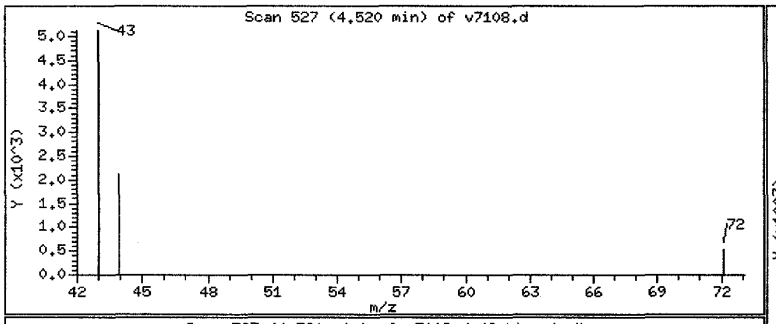
Operator: KCB

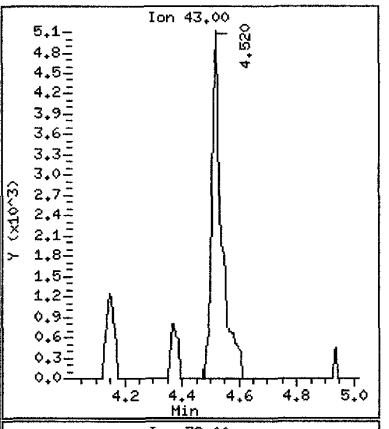
Column phase: DB-624-30M

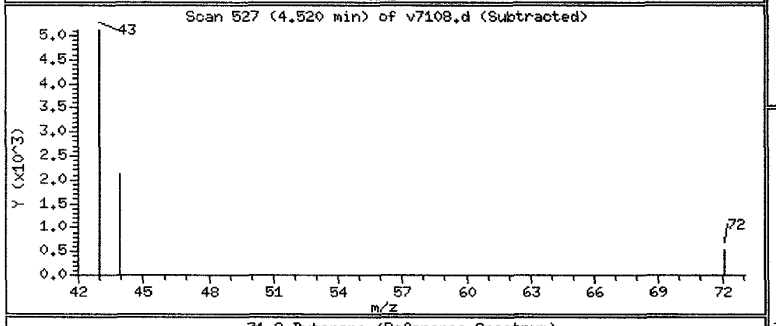
Column diameter: 0.53

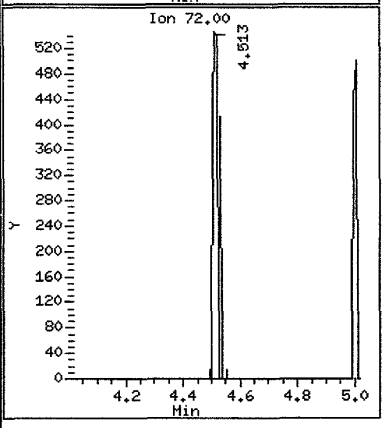
31 2-Butanone

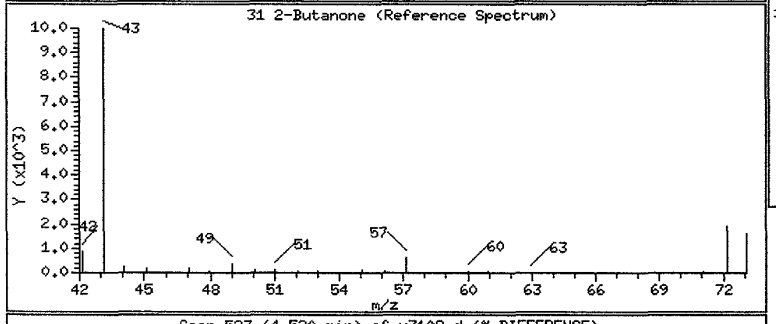
Concentration: 1.44 ug/Kg

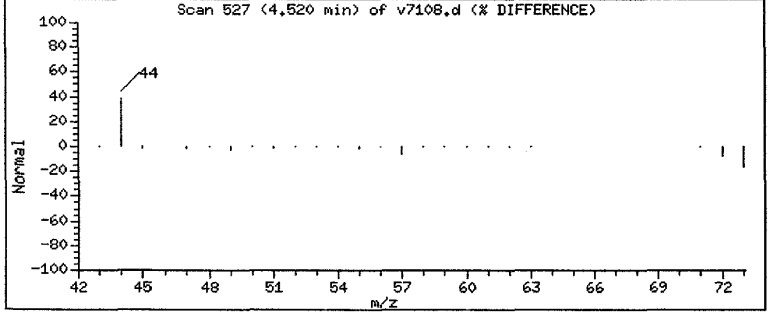








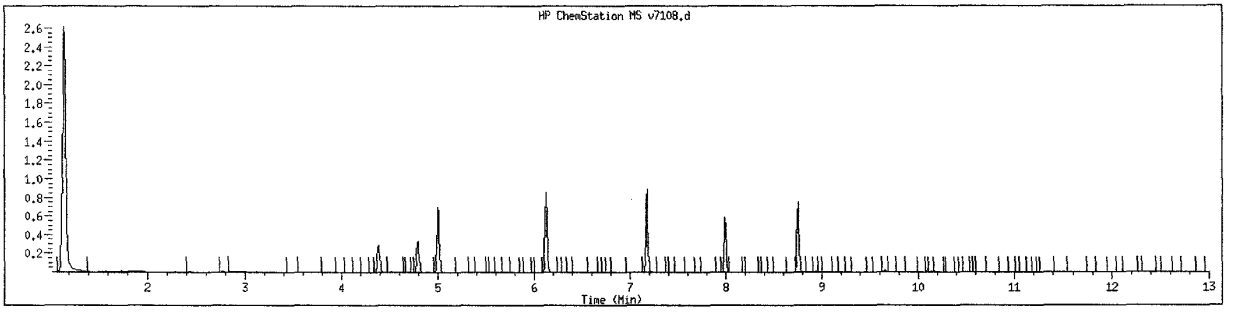




000161

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072817 SampleType : SAMPLE
Injection Date: 10-DEC-2006 21:17 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072817*SWSED7-007 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED13-013 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.92 (g/ml) g

Lab Sample ID: 20612072818

Level: (low/med) LOW

Lab File ID: 2061210/v7109

% Moisture: not dec. 17.1

Date Collected: 12/06/06 Time: 0905

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2138

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00613	U	0.000216	0.00613
71-55-6	1,1,1-Trichloroethane	0.00613	U	0.000151	0.00613
79-34-5	1,1,2,2-Tetrachloroethane	0.00613	U	0.000221	0.00613
79-00-5	1,1,2-Trichloroethane	0.00613	U	0.000140	0.00613
75-34-3	1,1-Dichloroethane	0.00613	U	0.000195	0.00613
75-35-4	1,1-Dichloroethene	0.00613	U	0.000440	0.00613
563-58-6	1,1-Dichloropropene	0.00613	U	0.000159	0.00613
96-18-4	1,2,3-Trichloropropane	0.00245	U	0.000300	0.00245
120-82-1	1,2,4-Trichlorobenzene	0.00613	U	0.000401	0.00613
95-63-6	1,2,4-Trimethylbenzene	0.00613	U	0.000243	0.00613
96-12-8	1,2-Dibromo-3-chloropropane	0.00613	U	0.00106	0.00613
106-93-4	1,2-Dibromoethane	0.00613	U	0.000184	0.00613
95-50-1	1,2-Dichlorobenzene	0.00613	U	0.000140	0.00613
107-06-2	1,2-Dichloroethane	0.00613	U	0.000140	0.00613
78-87-5	1,2-Dichloropropane	0.00613	U	0.000137	0.00613
108-67-8	1,3,5-Trimethylbenzene	0.00613	U	0.000200	0.00613
541-73-1	1,3-Dichlorobenzene	0.00613	U	0.000289	0.00613
142-28-9	1,3-Dichloropropane	0.00613	U	0.000167	0.00613
106-46-7	1,4-Dichlorobenzene	0.00613	U	0.000516	0.00613
594-20-7	2,2-Dichloropropane	0.00613	U	0.000216	0.00613
78-93-3	2-Butanone	0.00263	JB	0.000383	0.00613
110-75-8	2-Chloroethylvinyl ether	0.00613	U	0.00258	0.00613
95-49-8	2-Chlorotoluene	0.00613	U	0.000184	0.00613
591-78-6	2-Hexanone	0.00613	U	0.00101	0.00613
106-43-4	4-Chlorotoluene	0.00613	U	0.000398	0.00613
99-87-6	4-Isopropyltoluene	0.00613	U	0.000197	0.00613
108-10-1	4-Methyl-2-pentanone	0.00613	U	0.000212	0.00613
67-64-1	Acetone	0.023	JB	0.000459	0.031
107-02-8	Acrolein	0.031	U	0.00287	0.031
107-13-1	Acrylonitrile	0.031	U	0.000873	0.031
71-43-2	Benzene	0.00613	U	0.000128	0.00613

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED13-013 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.92 (g/ml) g

Lab Sample ID: 20612072818

Level: (low/med) LOW

Lab File ID: 2061210/v7109

% Moisture: not dec. 17.1

Date Collected: 12/06/06 Time: 0905

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2138

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00613	U	0.000288	0.00613
75-27-4	Bromodichloromethane	0.00613	U	0.000166	0.00613
75-25-2	Bromoform	0.00613	U	0.000207	0.00613
74-83-9	Bromomethane	0.00613	U	0.00185	0.00613
104-51-8	n-Butylbenzene	0.00613	U	0.000218	0.00613
75-15-0	Carbon disulfide	0.00613	U	0.000134	0.00613
56-23-5	Carbon tetrachloride	0.00613	U	0.000147	0.00613
108-90-7	Chlorobenzene	0.00613	U	0.000202	0.00613
75-00-3	Chloroethane	0.00613	U	0.000743	0.00613
67-66-3	Chloroform	0.00613	U	0.000173	0.00613
74-87-3	Chloromethane	0.00613	U	0.000569	0.00613
110-82-7	Cyclohexane	0.00613	U	0.00136	0.00613
124-48-1	Dibromochloromethane	0.00613	U	0.000110	0.00613
74-95-3	Dibromomethane	0.00613	U	0.000191	0.00613
75-71-8	Dichlorodifluoromethane	0.00613	U	0.000446	0.00613
10061-01-5	cis-1,3-Dichloropropene	0.00613	U	0.000141	0.00613
10061-02-6	trans-1,3-Dichloropropene	0.00613	U	0.000173	0.00613
100-41-4	Ethylbenzene	0.00613	U	0.000254	0.00613
87-68-3	Hexachlorobutadiene	0.00613	U	0.00153	0.00613
98-82-8	Isopropylbenzene (Cumene)	0.00613	U	0.000188	0.00613
79-20-9	Methyl Acetate	0.00613	U	0.00187	0.00613
74-88-4	Methyl iodide	0.00613	U	0.00111	0.00613
108-87-2	Methylcyclohexane	0.00613	U	0.000454	0.00613
75-09-2	Methylene chloride	0.00132	JB	0.000587	0.012
91-20-3	Naphthalene	0.00613	U	0.000461	0.00613
100-42-5	Styrene	0.00613	U	0.000186	0.00613
127-18-4	Tetrachloroethene	0.00613	U	0.000235	0.00613
108-88-3	Toluene	0.00613	U	0.000674	0.00613
79-01-6	Trichloroethene	0.00613	U	0.000217	0.00613
75-69-4	Trichlorofluoromethane	0.00613	U	0.000309	0.00613
76-13-1	Trichlorotrifluoroethane	0.00613	U	0.000231	0.00613
108-05-4	Vinyl acetate	0.00613	U	0.00120	0.00613

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED13-013 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.92 (g/ml) g Lab Sample ID: 20612072818

Level: (low/med) LOW Lab File ID: 2061210/v7109

% Moisture: not dec. 17.1 Date Collected: 12/06/06 Time: 0905

GC Column: DB-624-30M ID: .53 (mm) Date Received: 12/07/06

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 2138

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00613	U	0.000430	0.00613
1330-20-7	Xylene (total)	0.012	U	0.000701	0.012
156-59-2	cis-1,2-Dichloroethene	0.00613	U	0.000154	0.00613
136777-61-	m,p-Xylene	0.00613	U	0.000488	0.00613
71-36-3	n-Butyl alcohol	0.031	U	0.00123	0.031
103-65-1	n-Propylbenzene	0.00613	U	0.000172	0.00613
95-47-6	o-Xylene	0.00613	U	0.000213	0.00613
135-98-8	sec-Butylbenzene	0.00613	U	0.000143	0.00613
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00613	U	0.000090	0.00613
98-06-6	tert-Butylbenzene	0.00613	U	0.000309	0.00613
156-60-5	trans-1,2-Dichloroethene	0.00613	U	0.000201	0.00613
110-57-6	trans-1,4-Dichloro-2-butene	0.00613	U	0.000884	0.00613

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7109.d
Lab Smp Id: 20612072818 Client Smp ID: SWSED13-013 (0-0.5)
Inj Date : 10-DEC-2006 21:38
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072818*SWSED13-013 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 27
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.92000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

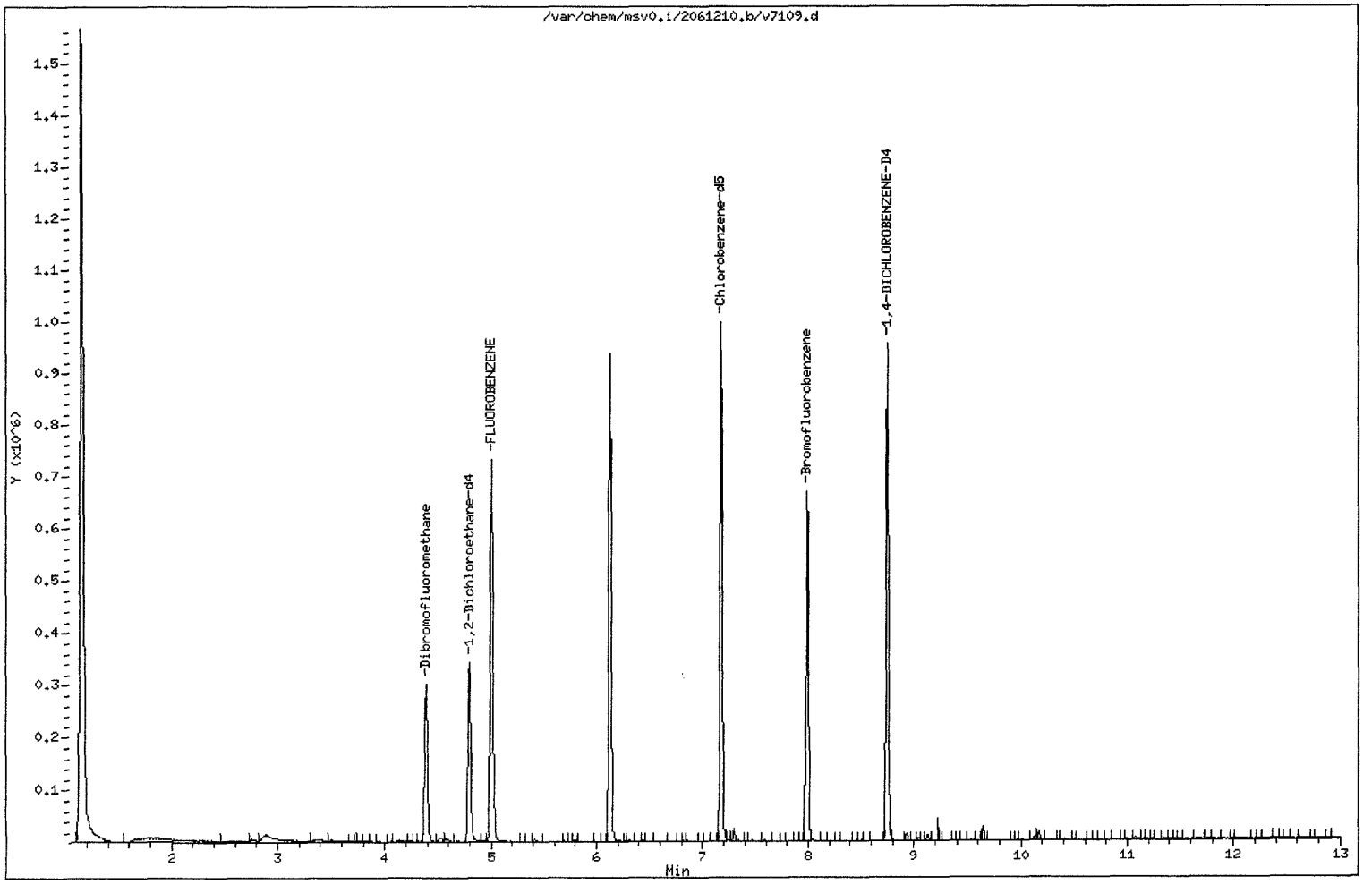
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	18 Methylene Chloride	49	2.771	2.765	(0.554)	3141	1.07733	1.09	4945
	12 Acetone	43	2.903	2.865	(0.580)	55871	18.6683	19.0	8074
$	41 Dibromofluoromethane	111	4.387	4.388	(0.877)	186307	45.8155	46.6	5431
	31 2-Butanone	43	4.519	4.514	(0.903)	19294	2.14271	2.18	
$	47 1,2-Dichloroethane-d4	67	4.797	4.792	(0.959)	113503	46.4630	47.2	9524
*	49 FLUOROBENZENE	96	5.003	5.004	(1.000)	561366	50.0000		9687
$	67 Toluene-d8	98	6.129	6.123	(0.854)	503958	42.1716	42.9	9824
*	85 Chlorobenzene-d5	82	7.175	7.176	(1.000)	251847	50.0000		2854
$	98 Bromofluorobenzene	174	7.990	7.991	(1.114)	136385	41.6750	42.4	8875
*	115 1,4-DICHLOROBENZENE-D4	152	8.751	8.753	(1.000)	184868	50.0000		3600

Data File: /var/chem/msv0.i/2061210.b/v7109.d
Date : 10-DEC-2006 21:38
Client ID: SWSED13-013 (0-0.5)
Sample Info: 20612072818*SWSED13-013 (0-0.5)

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

Column phase: DB-624-30M



000167

034223

Data File: /var/chem/msv0.i/2061210.b/v7109.d

Date : 10-DEC-2006 21:38

Client ID: SWSED13-013 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072818*SWSED13-013 (0-0.5)

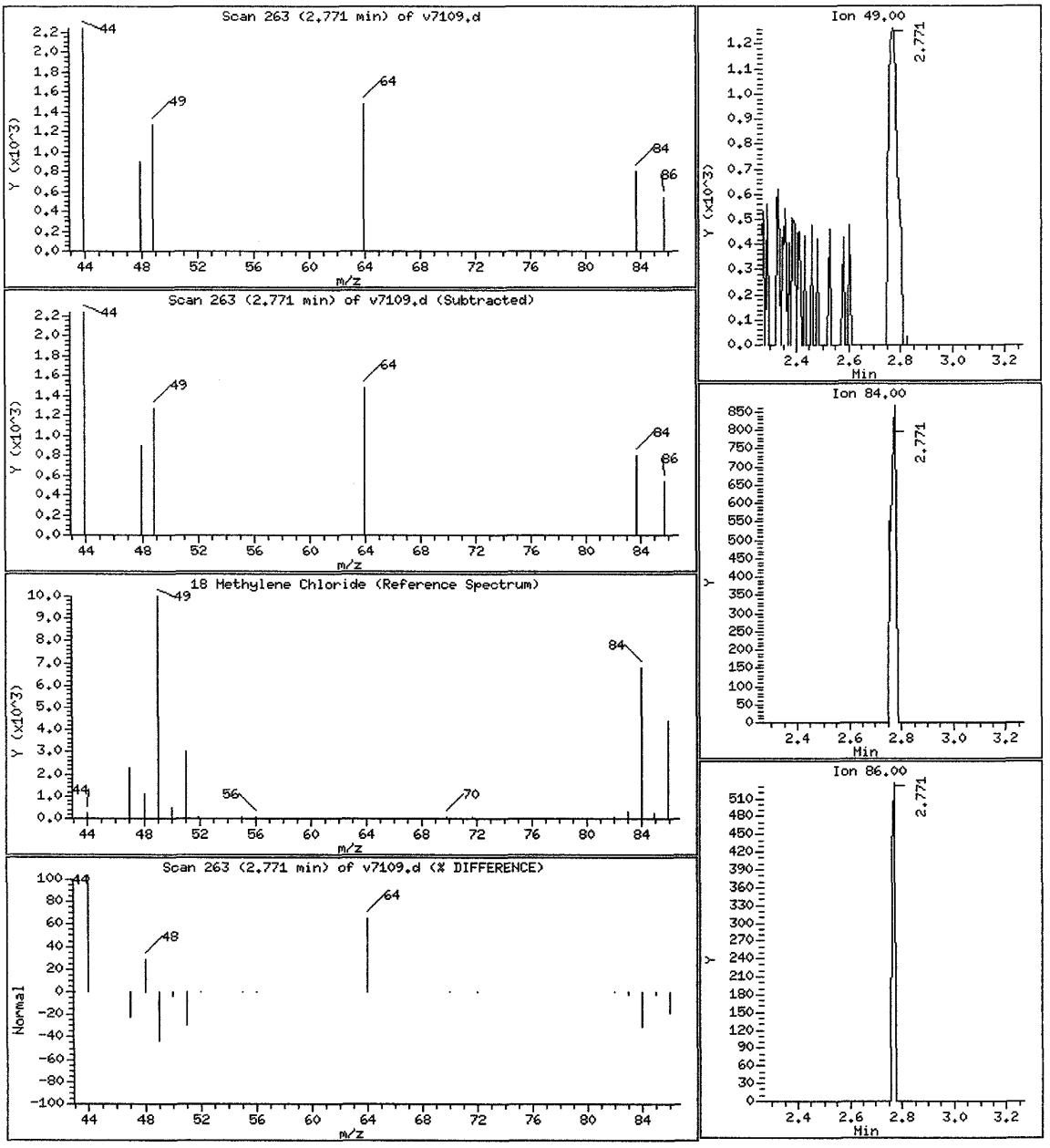
Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

18 Methylene Chloride

Concentration: 1.09 ug/Kg



Data File: /var/chem/msv0.i/2061210.b/v7109.d

Date : 10-DEC-2006 21:38

Client ID: SWSED13-013 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072818*SWSED13-013 (0-0.5)

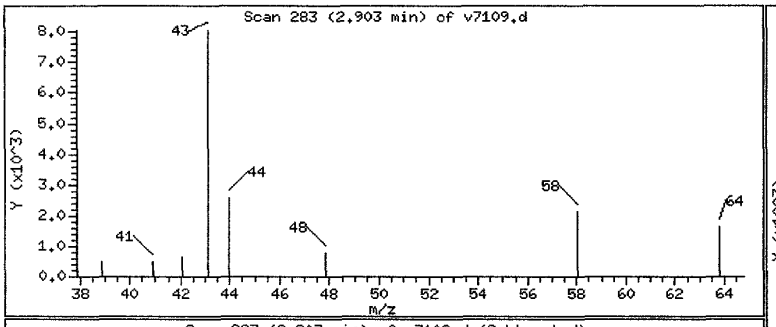
Operator: KCB

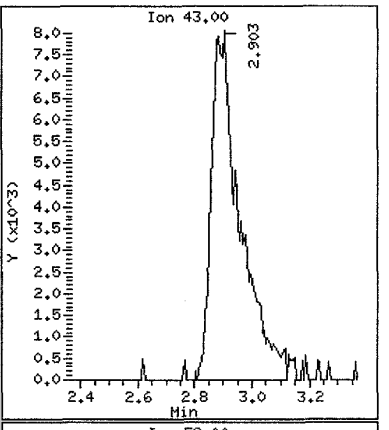
Column phase: DB-624-30M

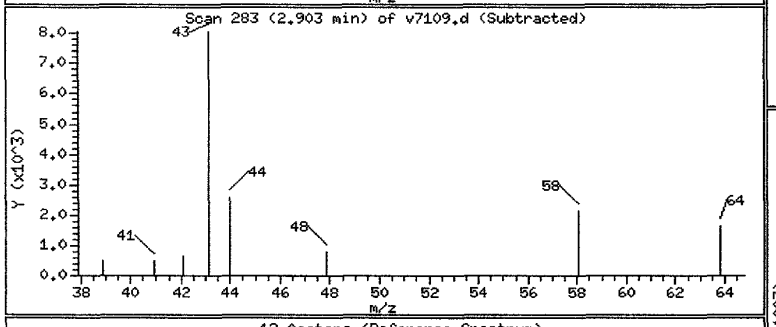
Column diameter: 0.53

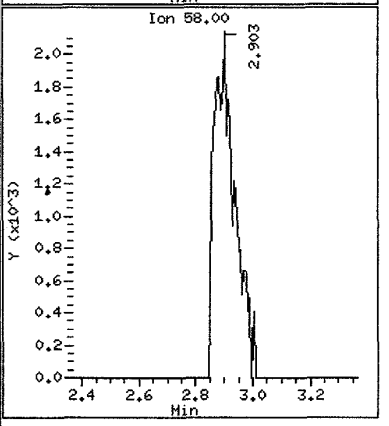
12 Acetone

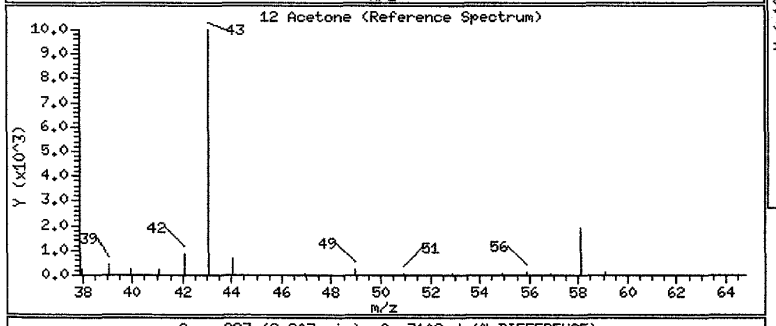
Concentration: 19.0 ug/Kg

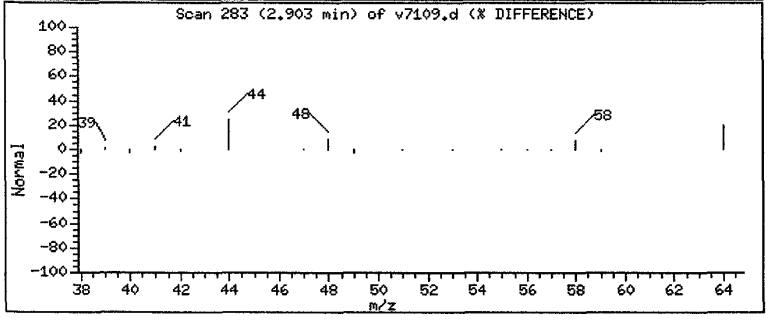












000169

034225

Data File: /var/chem/msv0.i/2061210.b/v7109.d

Date : 10-DEC-2006 21:38

Client ID: SWSED13-013 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072818*SWSED13-013 (0-0.5)

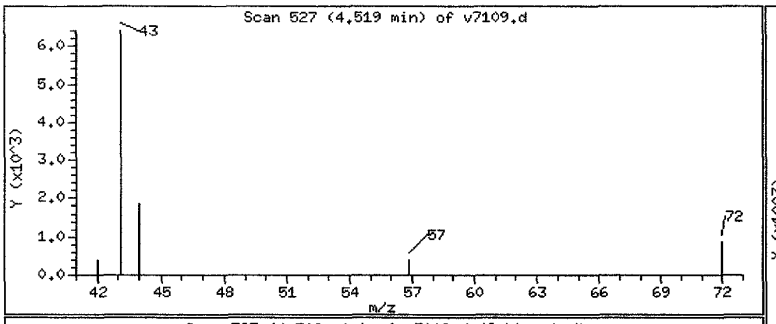
Operator: KCB

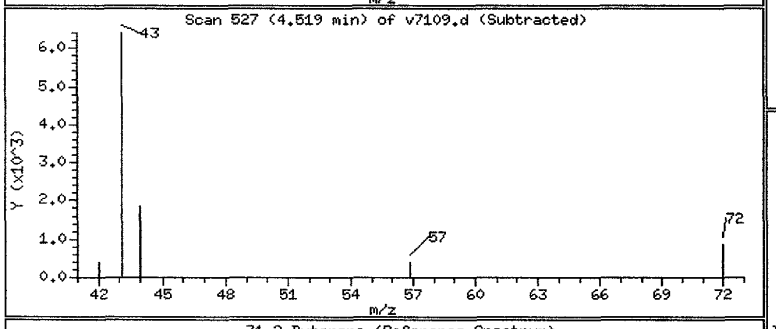
Column phase: DB-624-30M

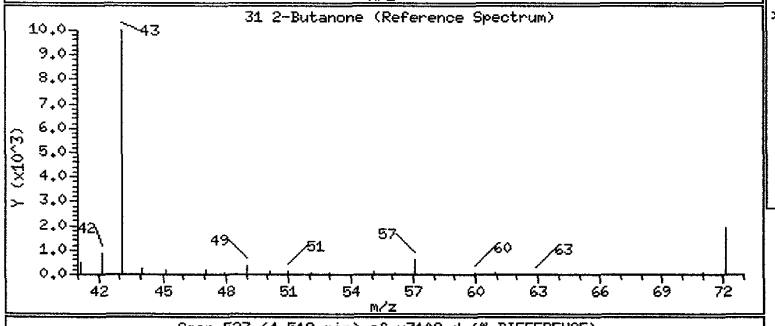
Column diameter: 0.53

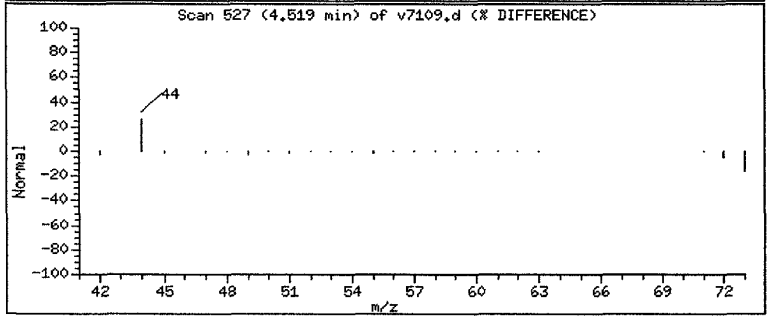
31 2-Butanone

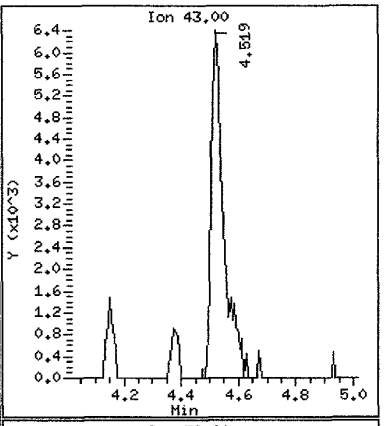
Concentration: 2.18 ug/Kg

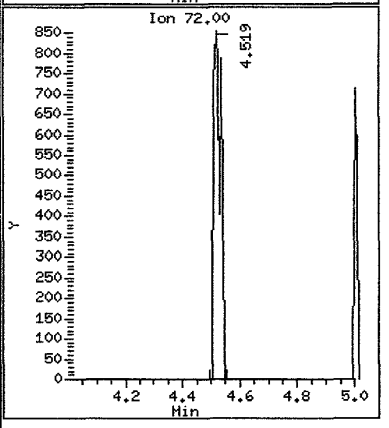








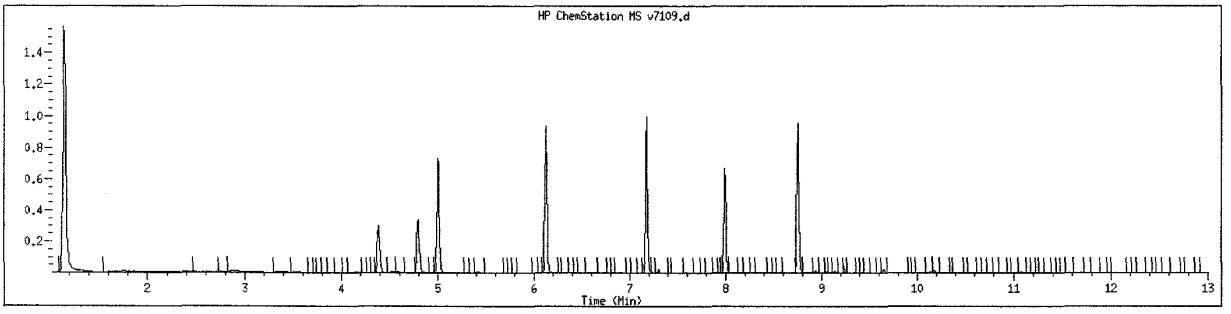




Data file : /var/chem/msv0.i/2061210.b/v7109.d Page: 1
Report Date: 12/11/2006 06:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072818 SampleType : SAMPLE
Injection Date: 10-DEC-2006 21:38 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072818*SWSED13-013 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000171

034227

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED14-014 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.93 (g/ml) g

Lab Sample ID: 20612072819

Level: (low/med) LOW

Lab File ID: 2061210/v7110

% Moisture: not dec. 19.0

Date Collected: 12/06/06 Time: 0910

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2158

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00626	U	0.000220	0.00626
71-55-6	1,1,1-Trichloroethane	0.00626	U	0.000154	0.00626
79-34-5	1,1,2,2-Tetrachloroethane	0.00626	U	0.000225	0.00626
79-00-5	1,1,2-Trichloroethane	0.00626	U	0.000143	0.00626
75-34-3	1,1-Dichloroethane	0.00626	U	0.000199	0.00626
75-35-4	1,1-Dichloroethene	0.00626	U	0.000449	0.00626
563-58-6	1,1-Dichloropropene	0.00626	U	0.000163	0.00626
96-18-4	1,2,3-Trichloropropane	0.00250	U	0.000307	0.00250
120-82-1	1,2,4-Trichlorobenzene	0.00626	U	0.000409	0.00626
95-63-6	1,2,4-Trimethylbenzene	0.00626	U	0.000248	0.00626
96-12-8	1,2-Dibromo-3-chloropropane	0.00626	U	0.00108	0.00626
106-93-4	1,2-Dibromoethane	0.00626	U	0.000188	0.00626
95-50-1	1,2-Dichlorobenzene	0.00626	U	0.000143	0.00626
107-06-2	1,2-Dichloroethane	0.00626	U	0.000143	0.00626
78-87-5	1,2-Dichloropropane	0.00626	U	0.000140	0.00626
108-67-8	1,3,5-Trimethylbenzene	0.00626	U	0.000204	0.00626
541-73-1	1,3-Dichlorobenzene	0.00626	U	0.000295	0.00626
142-28-9	1,3-Dichloropropane	0.00626	U	0.000170	0.00626
106-46-7	1,4-Dichlorobenzene	0.00626	U	0.000527	0.00626
594-20-7	2,2-Dichloropropane	0.00626	U	0.000220	0.00626
78-93-3	2-Butanone	0.00218	JB	0.000390	0.00626
110-75-8	2-Chloroethylvinyl ether	0.00626	U	0.00263	0.00626
95-49-8	2-Chlorotoluene	0.00626	U	0.000188	0.00626
591-78-6	2-Hexanone	0.00626	U	0.00103	0.00626
106-43-4	4-Chlorotoluene	0.00626	U	0.000407	0.00626
99-87-6	4-Isopropyltoluene	0.00626	U	0.000201	0.00626
108-10-1	4-Methyl-2-pentanone	0.00626	U	0.000217	0.00626
67-64-1	Acetone	0.019	JB	0.000468	0.031
107-02-8	Acrolein	0.031	U	0.00293	0.031
107-13-1	Acrylonitrile	0.031	U	0.000891	0.031
71-43-2	Benzene	0.00626	U	0.000130	0.00626

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED14-014 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.93 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 19.0

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072819

Lab File ID: 2061210/v7110

Date Collected: 12/06/06 Time: 0910

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 2158

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00626	U	0.000294	0.00626
75-27-4	Bromodichloromethane	0.00626	U	0.000169	0.00626
75-25-2	Bromoform	0.00626	U	0.000212	0.00626
74-83-9	Bromomethane	0.00626	U	0.00188	0.00626
104-51-8	n-Butylbenzene	0.00626	U	0.000223	0.00626
75-15-0	Carbon disulfide	0.00626	U	0.000136	0.00626
56-23-5	Carbon tetrachloride	0.00626	U	0.000150	0.00626
108-90-7	Chlorobenzene	0.00626	U	0.000207	0.00626
75-00-3	Chloroethane	0.00626	U	0.000758	0.00626
67-66-3	Chloroform	0.00626	U	0.000176	0.00626
74-87-3	Chloromethane	0.00626	U	0.000581	0.00626
110-82-7	Cyclohexane	0.00626	U	0.00138	0.00626
124-48-1	Dibromochloromethane	0.00626	U	0.000113	0.00626
74-95-3	Dibromomethane	0.00626	U	0.000195	0.00626
75-71-8	Dichlorodifluoromethane	0.00626	U	0.000456	0.00626
10061-01-5	cis-1,3-Dichloropropene	0.00626	U	0.000144	0.00626
10061-02-6	trans-1,3-Dichloropropene	0.00626	U	0.000176	0.00626
100-41-4	Ethylbenzene	0.00626	U	0.000259	0.00626
87-68-3	Hexachlorobutadiene	0.00626	U	0.00156	0.00626
98-82-8	Isopropylbenzene (Cumene)	0.00626	U	0.000191	0.00626
79-20-9	Methyl Acetate	0.00626	U	0.00191	0.00626
74-88-4	Methyl iodide	0.00626	U	0.00113	0.00626
108-87-2	Methylcyclohexane	0.00626	U	0.000463	0.00626
75-09-2	Methylene chloride	0.013	U	0.000599	0.013
91-20-3	Naphthalene	0.00626	U	0.000471	0.00626
100-42-5	Styrene	0.00626	U	0.000190	0.00626
127-18-4	Tetrachloroethene	0.00626	U	0.000240	0.00626
108-88-3	Toluene	0.00626	U	0.000688	0.00626
79-01-6	Trichloroethene	0.00626	U	0.000222	0.00626
75-69-4	Trichlorofluoromethane	0.00626	U	0.000315	0.00626
76-13-1	Trichlorotrifluoroethane	0.00626	U	0.000235	0.00626
108-05-4	Vinyl acetate	0.00626	U	0.00123	0.00626

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED14-014 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.93 (g/ml) g

Lab Sample ID: 20612072819

Level: (low/med) LOW

Lab File ID: 2061210/v7110

% Moisture: not dec. 19.0

Date Collected: 12/06/06 Time: 0910

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 2158

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00626	U	0.000439	0.00626
1330-20-7	Xylene (total)	0.013	U	0.000716	0.013
156-59-2	cis-1,2-Dichloroethene	0.00626	U	0.000158	0.00626
136777-61-	m,p-Xylene	0.00626	U	0.000498	0.00626
71-36-3	n-Butyl alcohol	0.031	U	0.00125	0.031
103-65-1	n-Propylbenzene	0.00626	U	0.000175	0.00626
95-47-6	o-Xylene	0.00626	U	0.000218	0.00626
135-98-8	sec-Butylbenzene	0.00626	U	0.000146	0.00626
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00626	U	0.000092	0.00626
98-06-6	tert-Butylbenzene	0.00626	U	0.000315	0.00626
156-60-5	trans-1,2-Dichloroethene	0.00626	U	0.000205	0.00626
110-57-6	trans-1,4-Dichloro-2-butene	0.00626	U	0.000902	0.00626

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7110.d
Lab Smp Id: 20612072819 Client Smp ID: SWSED14-014 (0-0.5)
Inj Date : 10-DEC-2006 21:58
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072819*SWSED14-014 (0-0.5)
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	4.93000	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
12 Acetone	43	2.881	2.865	(0.575)	46808	15.3475	15.6	8019
$ 41 Dibromofluoromethane	111	4.385	4.388	(0.876)	179437	44.6408	45.3	5431
31 2-Butanone	43	4.517	4.514	(0.902)	15575	1.74987	1.77	
$ 47 1,2-Dichloroethane-d4	67	4.795	4.792	(0.958)	110884	45.9204	46.6	9515
* 49 FLUOROBENZENE	96	5.007	5.004	(1.000)	554893	50.0000		9782
$ 67 Toluene-d8	98	6.127	6.123	(0.854)	490873	42.9419	43.6	9794
* 85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	240908	50.0000		2841
$ 98 Bromofluorobenzene	174	7.994	7.991	(1.114)	127971	40.8796	41.5	9142
* 115 1,4-DICHLOROBENZENE-D4	152	8.749	8.753	(1.000)	179959	50.0000		3635

Data File: /var/chem/msv0.i/2061210.b/v7110.d

Page 1

Date : 10-DEC-2006 21:58

Client ID: SWSED14-014 (0-0.5)

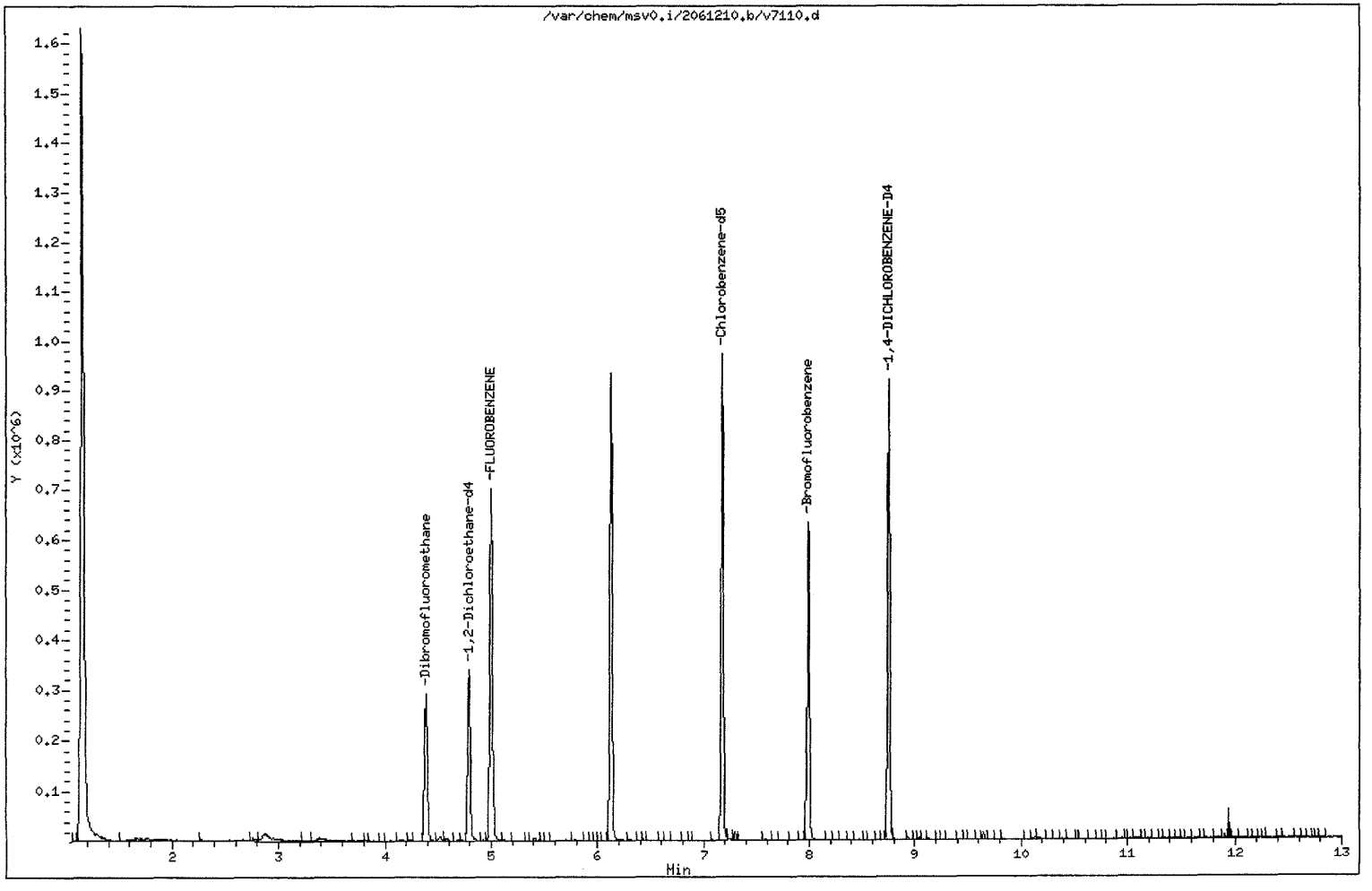
Instrument: msv0.i

Sample Info: 20612072819*SWSED14-014 (0-0.5)

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7110.d

Date : 10-DEC-2006 21:58

Client ID: SWSED14-014 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072819*SWSED14-014 (0-0.5)

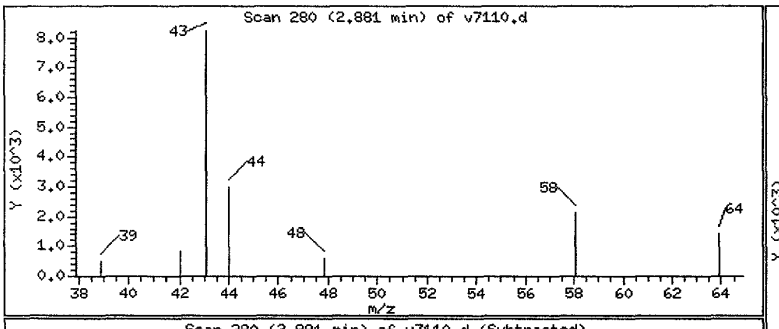
Operator: KCB

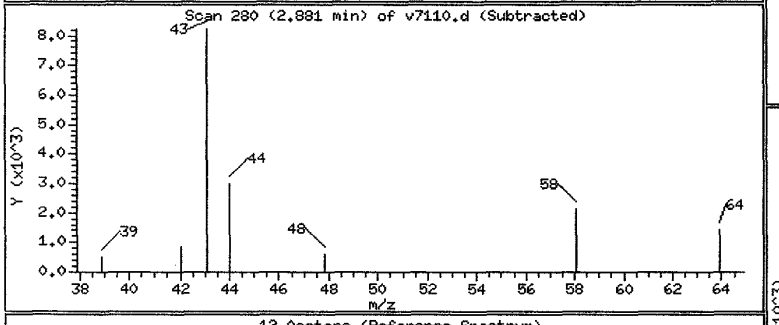
Column phase: DB-624-30M

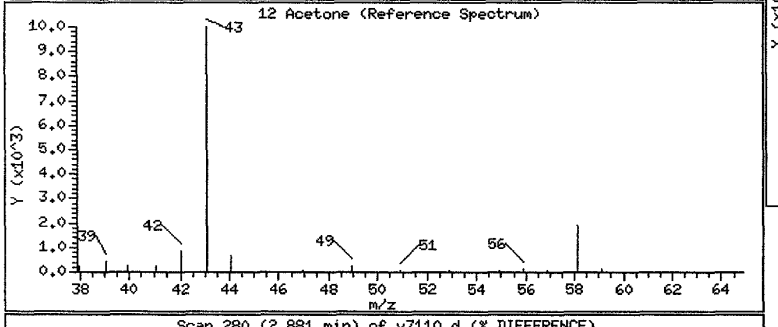
Column diameter: 0.53

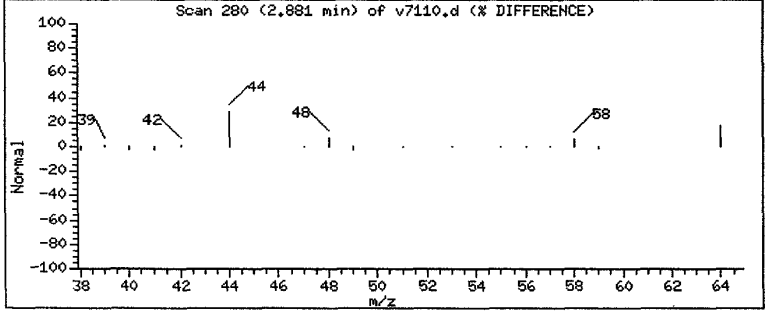
12 Acetone

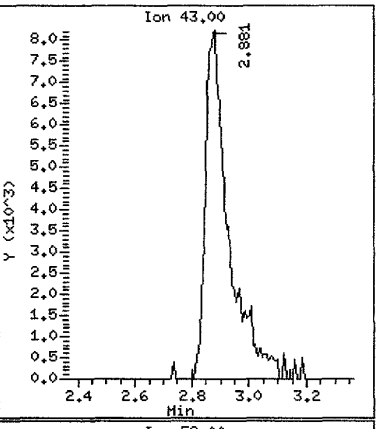
Concentration: 15.6 ug/Kg

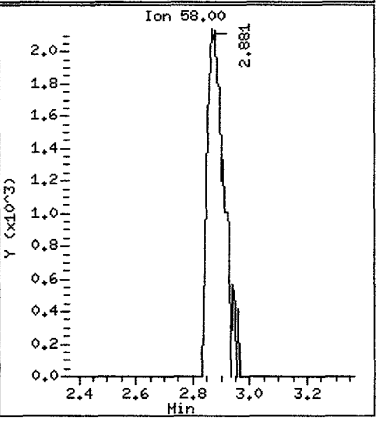












000177

034233

Data File: /var/chem/msv0.i/2061210.b/v7110.d

Date : 10-DEC-2006 21:58

Client ID: SWSED14-014 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072819*SWSED14-014 (0-0.5)

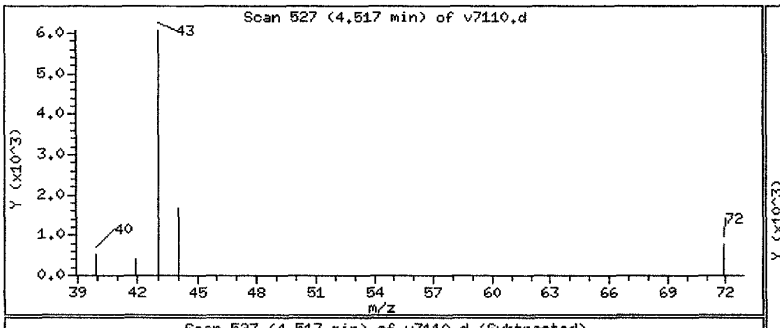
Operator: KCB

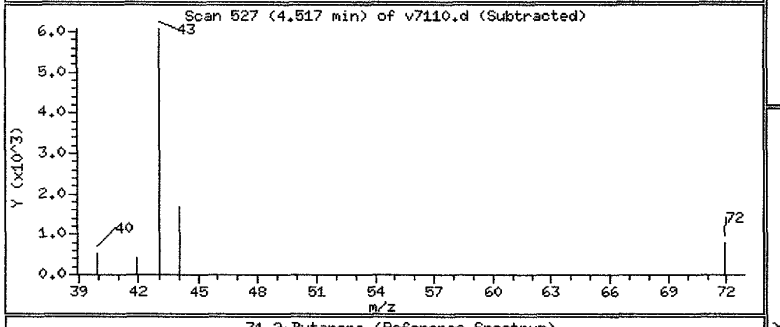
Column phase: DB-624-30M

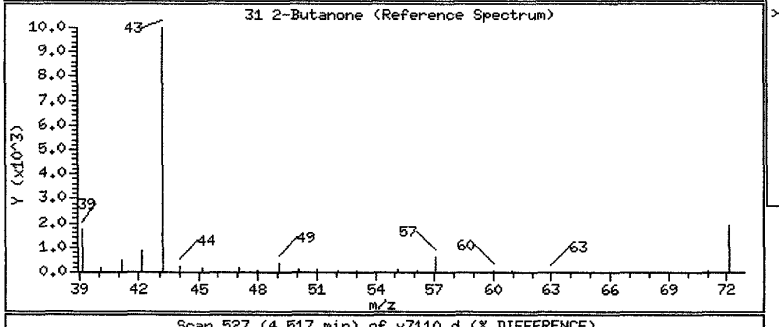
Column diameter: 0.53

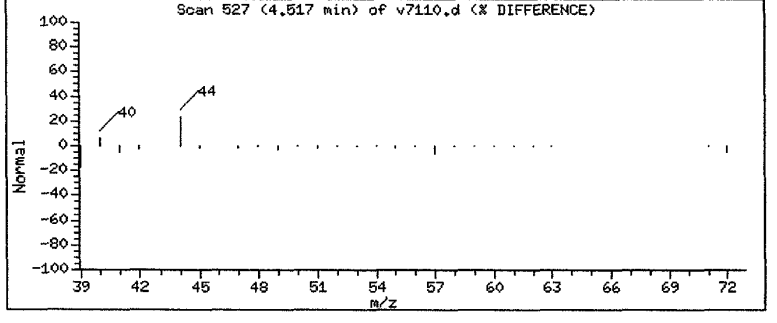
31 2-Butanone

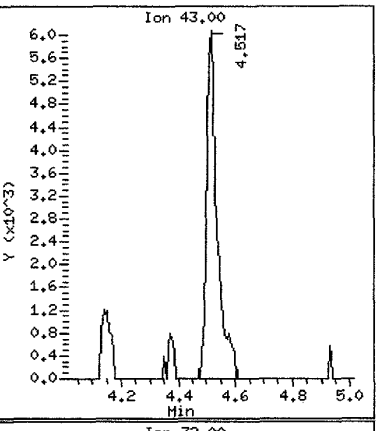
Concentration: 1.77 ug/Kg

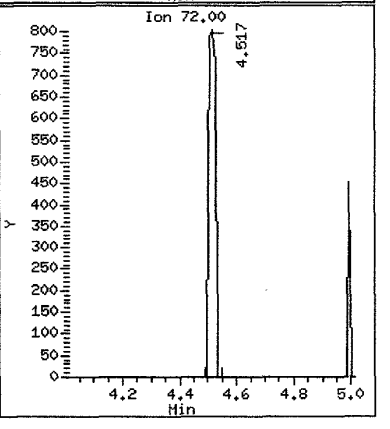








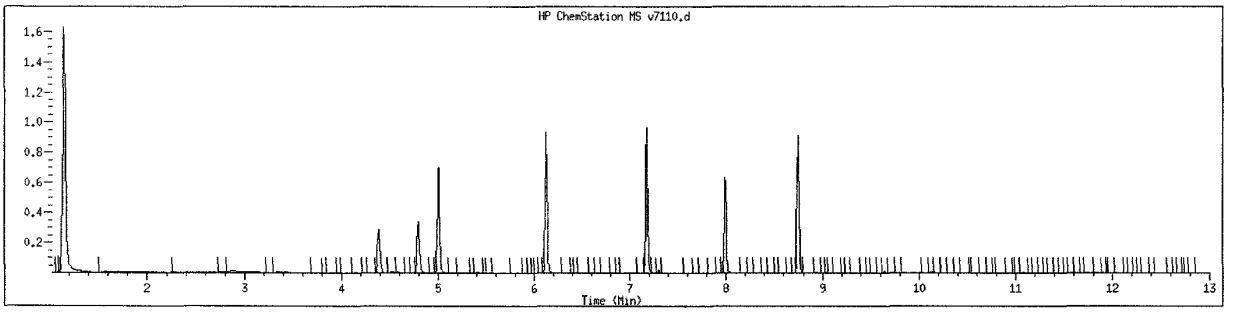




034234

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072819	SampleType	: SAMPLE
Injection Date	: 10-DEC-2006 21:58	Instrument	: msv0.i
Operator	: KCB		
Sample Info	: 20612072819*SWSED14-014 (0-0.5)		
Misc Info	: MSV~9605~*1*KCB		
Method	: /var/chem/msv0.i/2061210.b/8260Bs0c.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED17-017 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 20612072820

Level: (low/med) LOW

Lab File ID: 2061211/v7141

% Moisture: not dec. 47.1

Date Collected: 12/06/06 Time: 1130

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/11/06 Time: 1649

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.00941	U	0.000331	0.00941
71-55-6	1,1,1-Trichloroethane	0.00941	U	0.000231	0.00941
79-34-5	1,1,2,2-Tetrachloroethane	0.00941	U	0.000339	0.00941
79-00-5	1,1,2-Trichloroethane	0.00941	U	0.000215	0.00941
75-34-3	1,1-Dichloroethane	0.00941	U	0.000299	0.00941
75-35-4	1,1-Dichloroethene	0.00941	U	0.000676	0.00941
563-58-6	1,1-Dichloropropene	0.00941	U	0.000245	0.00941
96-18-4	1,2,3-Trichloropropane	0.00376	U	0.000461	0.00376
120-82-1	1,2,4-Trichlorobenzene	0.00941	U	0.000615	0.00941
95-63-6	1,2,4-Trimethylbenzene	0.00941	U	0.000373	0.00941
96-12-8	1,2-Dibromo-3-chloropropane	0.00941	U	0.00163	0.00941
106-93-4	1,2-Dibromoethane	0.00941	U	0.000282	0.00941
95-50-1	1,2-Dichlorobenzene	0.00941	U	0.000215	0.00941
107-06-2	1,2-Dichloroethane	0.00941	U	0.000215	0.00941
78-87-5	1,2-Dichloropropane	0.00941	U	0.000211	0.00941
108-67-8	1,3,5-Trimethylbenzene	0.00941	U	0.000307	0.00941
541-73-1	1,3-Dichlorobenzene	0.00941	U	0.000444	0.00941
142-28-9	1,3-Dichloropropane	0.00941	U	0.000256	0.00941
106-46-7	1,4-Dichlorobenzene	0.00941	U	0.000792	0.00941
594-20-7	2,2-Dichloropropane	0.00941	U	0.000331	0.00941
78-93-3	2-Butanone	0.00465	J	0.000587	0.00941
110-75-8	2-Chloroethylvinyl ether	0.00941	U	0.00396	0.00941
95-49-8	2-Chlorotoluene	0.00941	U	0.000282	0.00941
591-78-6	2-Hexanone	0.00941	U	0.00155	0.00941
106-43-4	4-Chlorotoluene	0.00941	U	0.000612	0.00941
99-87-6	4-Isopropyltoluene	0.00941	U	0.000303	0.00941
108-10-1	4-Methyl-2-pentanone	0.00941	U	0.000326	0.00941
67-64-1	Acetone	0.028	JB	0.000704	0.047
107-02-8	Acrolein	0.047	U	0.00440	0.047
107-13-1	Acrylonitrile	0.047	U	0.00134	0.047
71-43-2	Benzene	0.00941	U	0.000196	0.00941

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED17-017 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 20612072820

Level: (low/med) LOW

Lab File ID: 2061211/v7141

% Moisture: not dec. 47.1

Date Collected: 12/06/06 Time: 1130

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/11/06 Time: 1649

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.00941	U	0.000442	0.00941
75-27-4	Bromodichloromethane	0.00941	U	0.000254	0.00941
75-25-2	Bromoform	0.00941	U	0.000318	0.00941
74-83-9	Bromomethane	0.00941	U	0.00283	0.00941
104-51-8	n-Butylbenzene	0.00941	U	0.000335	0.00941
75-15-0	Carbon disulfide	0.00941	U	0.000205	0.00941
56-23-5	Carbon tetrachloride	0.00941	U	0.000226	0.00941
108-90-7	Chlorobenzene	0.00941	U	0.000311	0.00941
75-00-3	Chloroethane	0.00941	U	0.00114	0.00941
67-66-3	Chloroform	0.00941	U	0.000265	0.00941
74-87-3	Chloromethane	0.00941	U	0.000873	0.00941
110-82-7	Cyclohexane	0.00941	U	0.00208	0.00941
124-48-1	Dibromochloromethane	0.00941	U	0.000169	0.00941
74-95-3	Dibromomethane	0.00941	U	0.000294	0.00941
75-71-8	Dichlorodifluoromethane	0.00941	U	0.000685	0.00941
10061-01-5	cis-1,3-Dichloropropene	0.00941	U	0.000216	0.00941
10061-02-6	trans-1,3-Dichloropropene	0.00941	U	0.000265	0.00941
100-41-4	Ethylbenzene	0.00941	U	0.000390	0.00941
87-68-3	Hexachlorobutadiene	0.00941	U	0.00234	0.00941
98-82-8	Isopropylbenzene (Cumene)	0.00941	U	0.000288	0.00941
79-20-9	Methyl Acetate	0.00941	U	0.00288	0.00941
74-88-4	Methyl iodide	0.00941	U	0.00171	0.00941
108-87-2	Methylcyclohexane	0.00941	U	0.000696	0.00941
75-09-2	Methylene chloride	0.019	U	0.000902	0.019
91-20-3	Naphthalene	0.00941	U	0.000708	0.00941
100-42-5	Styrene	0.00941	U	0.000286	0.00941
127-18-4	Tetrachloroethene	0.00941	U	0.000361	0.00941
108-88-3	Toluene	0.00941	U	0.00104	0.00941
79-01-6	Trichloroethene	0.00941	U	0.000333	0.00941
75-69-4	Trichlorofluoromethane	0.00941	U	0.000474	0.00941
76-13-1	Trichlorotrifluoroethane	0.00941	U	0.000354	0.00941
108-05-4	Vinyl acetate	0.00941	U	0.00184	0.00941

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED17-017 (0-0.5)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.02 (g/ml) g Lab Sample ID: 20612072820

Level: (low/med) LOW Lab File ID: 2061211/v7141

% Moisture: not dec. 47.1 Date Collected: 12/06/06 Time: 1130

GC Column: DB-624-30M ID: .53 (mm) Date Received: 12/07/06

Instrument ID: MSV0 Date Analyzed: 12/11/06 Time: 1649

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.00941	U	0.000661	0.00941
1330-20-7	Xylene (total)	0.019	U	0.00108	0.019
156-59-2	cis-1,2-Dichloroethene	0.00941	U	0.000237	0.00941
136777-61-	m,p-Xylene	0.00941	U	0.000749	0.00941
71-36-3	n-Butyl alcohol	0.047	U	0.00188	0.047
103-65-1	n-Propylbenzene	0.00941	U	0.000263	0.00941
95-47-6	o-Xylene	0.00941	U	0.000327	0.00941
135-98-8	sec-Butylbenzene	0.00941	U	0.000220	0.00941
1634-04-4	tert-Butyl methyl ether (MTBE)	0.00941	U	0.000139	0.00941
98-06-6	tert-Butylbenzene	0.00941	U	0.000474	0.00941
156-60-5	trans-1,2-Dichloroethene	0.00941	U	0.000309	0.00941
110-57-6	trans-1,4-Dichloro-2-butene	0.00941	U	0.00136	0.00941

GCAL, Inc.

Data file : /var/chem/msv0.i/2061211.b/v7141.d
Lab Smp Id: 20612072820 Client Smp ID: SWSED17-017 (0-0.5)
Inj Date : 11-DEC-2006 16:49
Operator : AJV Inst ID: msv0.i
Smp Info : 20612072820*SWSED17-017 (0-0.5)
Misc Info : MSV~9609~*1*AJV
Comment :
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Meth Date : 11-Dec-2006 14:41 ajv Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	5.00000	ng unit correction factor
M	0.00000	% Moisture (not decanted)
Va	100.00000	Volume of aliquot extract added (uL)
Ws	5.02000	Weight of sample extracted (g)

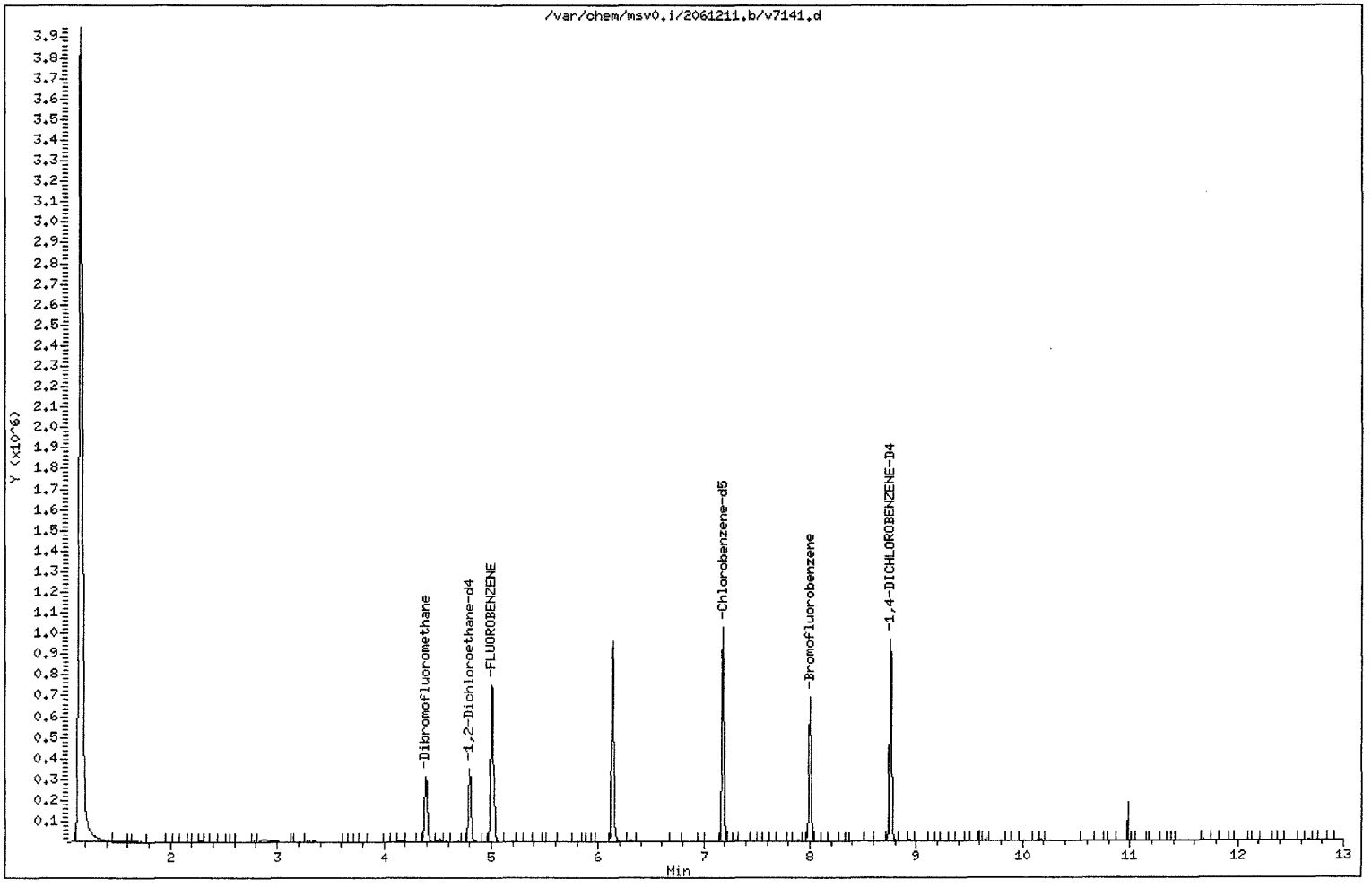
Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
12 Acetone	43	2.874	2.867	(0.573)	48586	14.9904	14.9	7938
$ 41 Dibromofluoromethane	111	4.391	4.390	(0.876)	194840	45.7801	45.6	5431
31 2-Butanone	43	4.517	4.516	(0.901)	23247	2.46674	2.46	
$ 47 1,2-Dichloroethane-d4	67	4.802	4.794	(0.958)	116605	45.6072	45.4	9554
* 49 FLUOROBENZENE	96	5.013	5.004	(1.000)	587530	50.0000		9807
$ 67 Toluene-d8	98	6.133	6.125	(0.854)	523206	43.2719	43.1	9847
* 85 Chlorobenzene-d5	82	7.179	7.170	(1.000)	254818	50.0000		2825
$ 98 Bromofluorobenzene	174	8.000	7.993	(1.114)	142318	42.9809	42.8	9195
* 115 1,4-DICHLOROBENZENE-D4	152	8.755	8.753	(1.000)	193036	50.0000		3651

Data File: /var/chem/msv0.i/2061211.b/v7141.d
Date : 11-DEC-2006 16:49
Client ID: SWSED17-017 (0-0.5)
Sample Info: 20612072820*SWSED17-017 (0-0.5)

Instrument: msv0.i
Operator: AJV
Column diameter: 0.53

Column phase: DB-624-30M



000184

034240

Data File: /var/chem/msv0.i/2061211.b/v7141.d

Date : 11-DEC-2006 16:49

Client ID: SWSED17-017 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072820*SWSED17-017 (0-0.5)

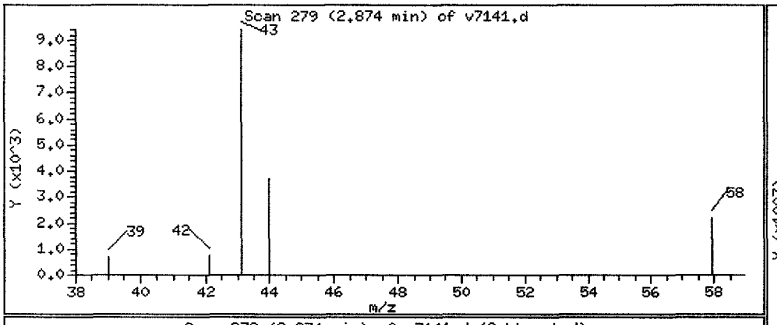
Operator: AJV

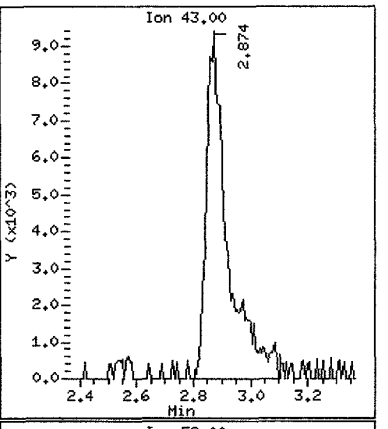
Column phase: DB-624-30M

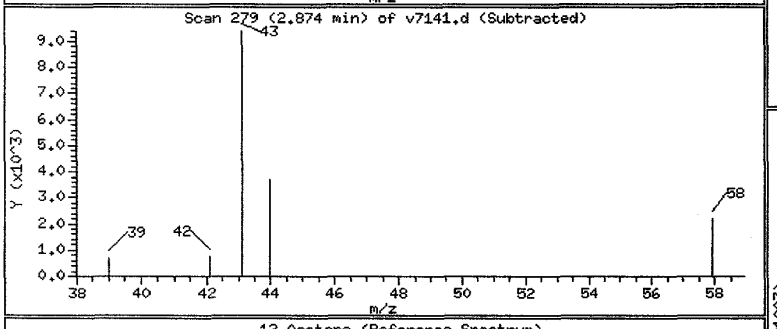
Column diameter: 0.53

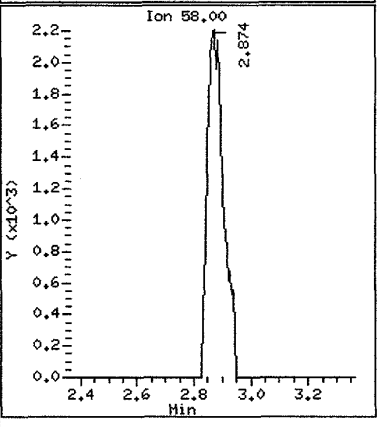
12 Acetone

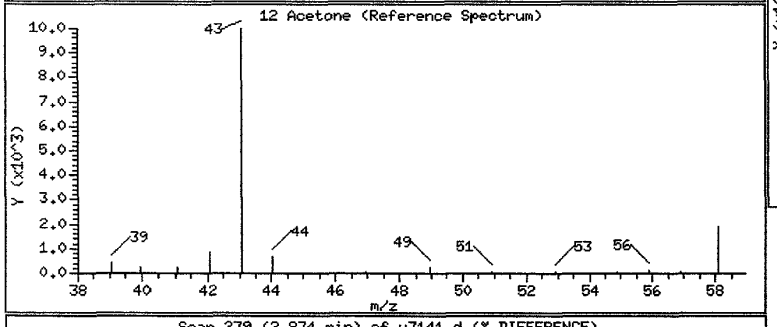
Concentration: 14.9 ug/Kg

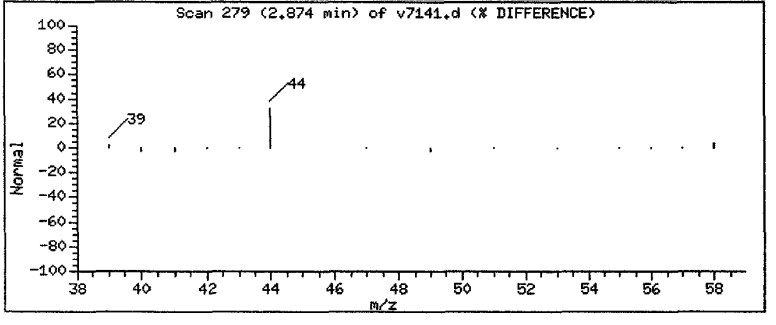












Data File: /var/chem/msv0.i/2061211.b/v7141.d

Date : 11-DEC-2006 16:49

Client ID: SWSED17-017 (0-0.5)

Instrument: msv0.i

Sample Info: 20612072820*SWSED17-017 (0-0.5)

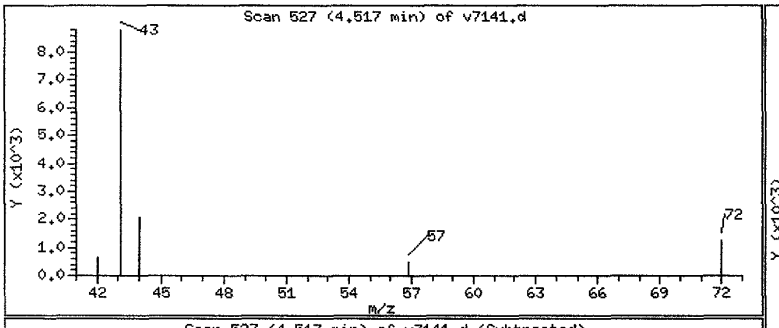
Operator: AJV

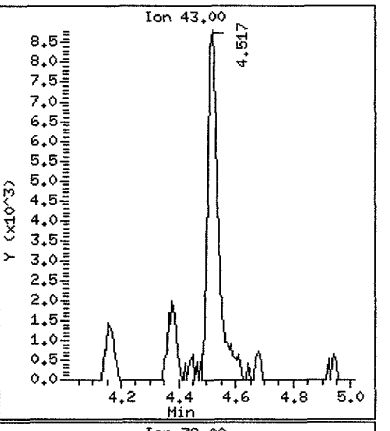
Column phase: DB-624-30M

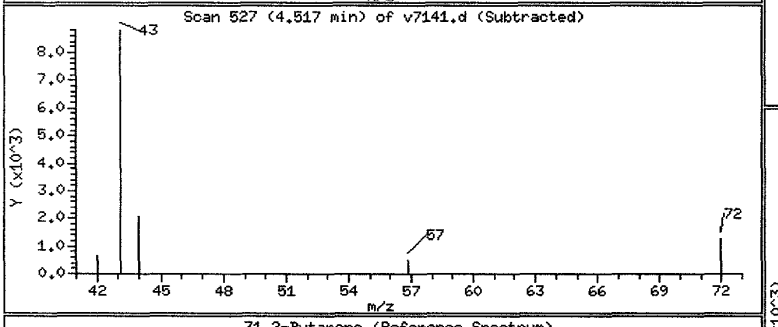
Column diameter: 0.53

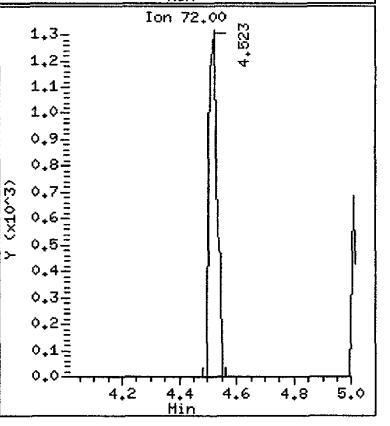
31 2-Butanone

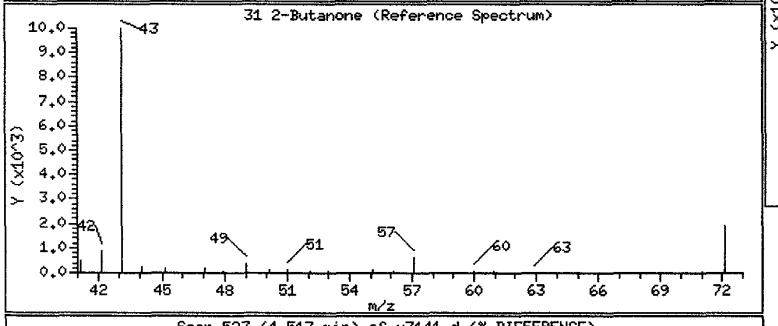
Concentration: 2.46 ug/Kg

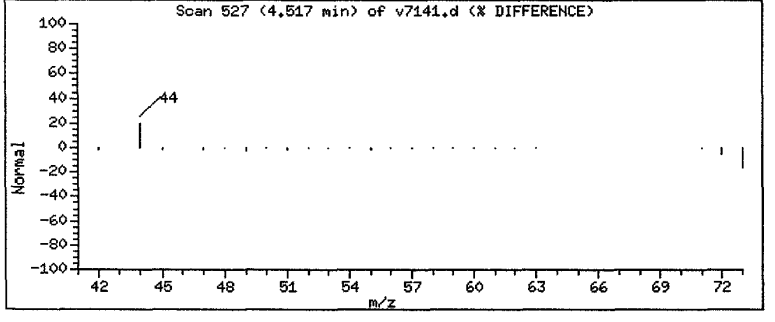










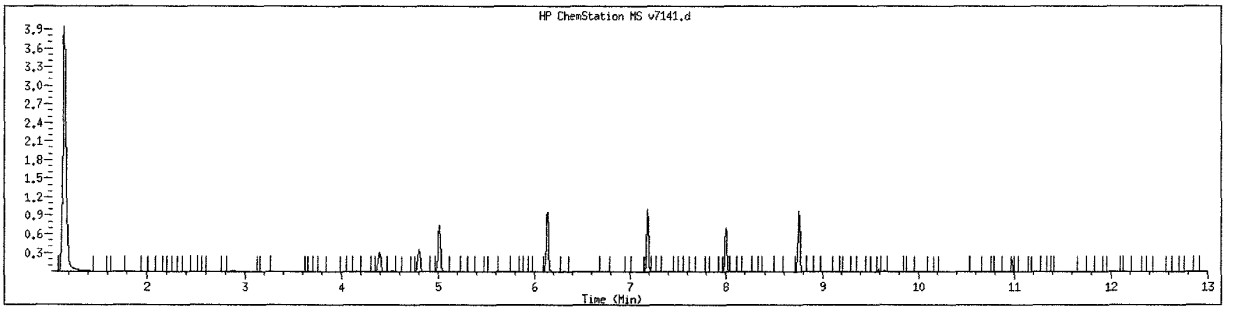


000186

Data file : /var/chem/msv0.i/2061211.b/v7141.d Page: 1
Report Date: 12/11/2006 17:30

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072820 SampleType : SAMPLE
Injection Date: 11-DEC-2006 16:49 Instrument : msv0.i
Operator : AJV
Sample Info : 20612072820*SWSED17-017 (0-0.5)
Misc Info : MSV~9609~*1*AJV
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000187

034243

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 rjo

Calibration File Names:
Level 1: /var/chem/msv0.i/2061209p.b/v7070.d
Level 2: /var/chem/msv0.i/2061209p.b/v7072.d
Level 3: /var/chem/msv0.i/2061209p.b/v7073.d
Level 4: /var/chem/msv0.i/2061209p.b/v7074.d
Level 5: /var/chem/msv0.i/2061209p.b/v7075.d
Level 6: /var/chem/msv0.i/2061209p.b/v7069.d
Level 7: /var/chem/msv0.i/2061209p.b/v7071.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	0.19777	0.19699	0.18960	0.19583	0.19699	0.19931					
	0.19195						AVRG		0.19549		1.76663
3 1,3 Butadiene	0.17441	0.16440	0.16242	0.17217	0.15220	+++++					
	0.16275						AVRG		0.16472		4.82203
2 Chloromethane ++	0.15010	0.13472	0.13255	0.13419	0.14124	+++++					
	0.13752						AVRG		0.13839		4.69675
4 Vinyl Chloride +	0.11304	0.10946	0.11125	0.11126	0.11953	+++++					
	0.10185						AVRG		0.11107		5.14320

RESUBMITTED 000188

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	0.08270	0.07442	0.07356	0.08737	0.09666	0.09132						
	0.06566						AVRG		0.08167		13.46695	
6 Chloroethane	1458	12090	28285	59001	118453	390						
	5166						LINR	0.02398	0.05394		0.99968	
7 Trichlorofluoromethane	3252	27642	56461	142020	221485	2991						
	13893						QUAD	0.09518	5.13795	11.19644	0.99050	
8 Ethyl Ether	0.08509	0.08662	0.07149	0.07690	0.07573	0.08191						
	0.09540						AVRG		0.08188		9.79868	
11 1,1-Dichloroethene +	0.11382	0.09519	0.09696	0.08721	0.08723	+++++						
	0.07458						AVRG		0.09250		14.16410	
14 Carbon Disulfide	0.51846	0.39047	0.38961	0.34801	0.35177	+++++						
	0.29275						AVRG		0.38184		19.87096	<-
9 1,1,2Trichlotrifluoroethane	8343	27800	65734	117891	243398	3725						
	10391						LINR	-0.02985	0.10896		0.99900	

RESUBMITTED 000189

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	8321	36939	104158	196170	421208	3920						
	12146						LINR	0.04090	0.19070		0.99922	
15 Allyl Chloride	9502	30400	73063	114463	174847	+++++						
	15543						QUAD	0.09946	2.95291	32.07738	0.99912	
17 Acetonitrile	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
10 Acrolein	0.02205	0.02093	0.02498	0.01980	0.02200	0.02467						
	0.01734						AVRG		0.02168		12.35063	
18 Methylene Chloride	0.42156	0.25029	0.21639	0.19469	0.18568	+++++						
	0.28949						AVRG		0.25968		33.90421	<-
12 Acetone	21145	48494	141237	195500	351717	16187						
	29823						QUAD	-0.02483	3.55656	4.46484	0.99408	
21 trans-1,2-Dichloroethene	0.19655	0.19733	0.19805	0.19284	0.18439	0.20894						
	0.17497						AVRG		0.19329		5.62574	

0001190
RESUBMITTED

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	0.52748	0.45278	0.42671	0.42592	0.38786	0.46459						
	0.51145						AVRG		0.45669		10.82783	
23 Hexane	0.21010	0.19589	0.17314	0.17400	0.15760	+++++						
	0.16569						AVRG		0.17940		10.99617	
20 MTBE	0.46191	0.47204	0.47782	0.47947	0.44895	0.49646						
	0.46073						AVRG		0.47105		3.29093	
25 Isopropyl Ether	1.17226	1.08686	1.16210	+++++	+++++	1.16601						
	0.80413						AVRG		1.07827		14.57433	
35 2-Butanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
28 Chloroprene	0.37923	0.35757	0.35617	0.31942	+++++	0.35661						
	0.34449						AVRG		0.35225		5.57547	

RESUBMITTED 000191

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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 ++	0.48673	0.48730	0.47968	0.47995	0.48191	0.47646						
	0.44936						AVRG		0.47734		2.71050	
22 Acrylonitrile	0.24014	0.25090	0.26384	0.24244	0.23177	0.21936						
	0.26659						AVRG		0.24501		6.90712	
27 Vinyl Acetate	0.40220	0.41760	0.41542	0.42257	0.43836	0.37429						
	0.38415						AVRG		0.40780		5.50174	
24 2-Chloropropene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
30 cis-1,2-Dichloroethene	0.41868	0.42739	0.42338	0.43027	0.41759	0.44247						
	0.42953						AVRG		0.42704		1.97641	
32 Ethyl Acetate	0.81869	0.79741	0.74763	0.75175	0.68251	0.91173						
	0.83956						AVRG		0.79275		9.34243	
29 2,2-Dichloropropane	0.34604	0.33617	0.33183	0.33766	0.33597	0.34470						
	0.32600						AVRG		0.33691		2.06688	

RESUBMITTED 000192

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	0.48914	0.47634	0.45991	0.45909	0.44671	0.47787					
	0.47535						AVRG		0.46920		3.08351
34 Bromochloromethane	0.16809	0.17056	0.16600	0.16876	0.16397	0.14811					
	0.16533						AVRG		0.16440		4.57720
33 Proprionitrile	0.13501	0.14544	0.13743	0.15246	0.15267	0.14501					
	0.14741						AVRG		0.14506		4.69027
38 Chloroform +	0.47039	0.48747	0.46984	0.47018	0.46838	0.51104					
	0.48950						AVRG		0.48097		3.32010
36 Tetrahydrofuran	0.38259	0.38636	0.36210	0.37645	0.36575	0.42052					
	0.40762						AVRG		0.38591		5.54053
42 Carbon Tetrachloride	0.28084	0.34059	0.27113	0.33892	0.28793	0.30753					
	0.28087						AVRG		0.30111		9.51258
37 Methylacrylonitrile	0.48689	0.50153	0.50518	0.51139	0.50668	0.43360					
	0.51471						AVRG		0.49428		5.70550

RESUBMITTED 000193

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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											
45 Isobutyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
40 1,1,1-Trichloroethane	0.32092	0.34081	0.32518	0.32867	0.32343	0.30399						
	0.33346						AVRG		0.32521		3.53966	
43 1,1-Dichloropropene	0.37293	0.36778	0.35260	0.35780	0.35257	0.37056						
	0.36373						AVRG		0.36257		2.31243	
31 2-Butanone	0.82422	0.77863	0.79787	0.73736	0.65771	0.91229						
	0.90603						AVRG		0.80202		11.27233	
46 Benzene	1.14674	1.10493	1.06072	1.08008	1.04890	1.22508						
	1.11061						AVRG		1.11101		5.40924	
44 2-2-4 trimethyl Pentane	1.03705	1.09570	1.07990	1.13708	1.06791	1.00110						
	1.07153						AVRG		1.07004		4.01909	
48 1,2-Dichloroethane	0.44849	0.44651	0.44025	0.44002	0.42320	0.47438						
	0.45910						AVRG		0.44742		3.60146	

0001194
RESUBMITTED

034250

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	0.42420	0.43028	0.41467	0.41732	0.41184	0.38769					
	0.40508						AVRG		0.41301		3.35215
50 Trichloroethene	0.29806	0.29441	0.29021	0.29039	0.28037	0.29075					
	0.31212						AVRG		0.29376		3.31380
51 N-Butyl Alcohol	0.05364	0.06294	0.06149	0.06869	0.08090	0.05598					
	0.06444						AVRG		0.06401		14.07369
58 Dibromomethane	0.24598	0.26159	0.25934	0.26278	0.25966	0.22933					
	0.27034						AVRG		0.25557		5.34081
56 2,3-Dichloro-1-propene	0.45647	0.47926	0.48921	0.50702	0.49879	0.45080					
	0.46780						AVRG		0.47848		4.43977
54 1,2-Dichloropropane +	0.36250	0.35131	0.34690	0.35161	0.34378	0.35036					
	0.35368						AVRG		0.35145		1.67513
57 Methyl Methacrylate	0.32648	0.37209	0.38416	0.39992	0.39212	0.30739					
	0.36158						AVRG		0.36339		9.51217

RESUBMITTED 000195

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	0.38238	0.41270	0.39620	0.41203	0.40516	0.36997						
	0.39851						AVRG		0.39671		3.96679	
59 1,4-Dioxane	10039	50074	131704	285850	590366	+++++						
	27122						LINR	1.53790	0.01044		0.99940	
63 1-Nitropropane	0.20171	0.22427	0.23414	0.27552	0.27226	+++++						
	0.21178						AVRG		0.23661		13.06537	
64 1-Bromo-2-chloroethane	0.60586	0.61788	0.61155	0.60811	0.60065	0.58087						
	0.61241						AVRG		0.60533		1.99450	
62 2-Chloroethyl vinyl ether	0.30815	0.32320	0.32919	0.34758	0.32412	0.23778						
	0.32573						AVRG		0.31368		11.29115	
65 cis-1,3-Dichloropropene	0.54857	0.55261	0.54313	0.56041	0.54481	0.53466						
	0.54739						AVRG		0.54737		1.46348	
53 1,3 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

RESUBMITTED 0001196

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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 +	2.81080	2.56365	2.54234	2.52254	2.51637	3.24122						
	2.64658						AVRG		2.69193		9.78456	
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	1.05315	1.09394	1.09823	1.02003	0.90066	1.05187						
	1.15630						AVRG		1.05345		7.62259	
78 Tetrachloroethene	0.45029	0.44617	0.44249	0.44999	0.47978	0.44492						
	0.44028						AVRG		0.45056		2.97240	
73 Ethyl Methacrylate	1.09832	1.29221	1.30910	1.34240	1.56834	0.98078						
	1.24504						AVRG		1.26231		14.80657	
74 2-Nitroprpoane	0.25993	0.29704	0.30226	0.37040	0.36379	+++++						
	0.28629						AVRG		0.31328		14.11240	

0001197
RESUBMITTED
034253

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	1.13376	1.16923	1.15822	1.15614	1.15392	1.12351						
	1.13718						AVRG		1.14742		1.41121	
60 1,4 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
76 1,1,2-Trichloroethane	0.69213	0.71239	0.73233	0.72862	0.74919	0.66109						
	0.69694						AVRG		0.71038		4.17103	
81 Dibromochloromethane	0.74911	0.78493	0.81048	0.84081	0.87906	0.70677						
	0.75105						AVRG		0.78889		7.51109	
72 2-Methoxyethanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
79 1,3-Dichloropropane	1.23825	1.25191	1.27139	1.27224	1.29360	1.30173						
	1.24812						AVRG		1.26818		1.86634	
83 1,2-Dibromoethane(EDB)	0.79587	0.83987	0.88916	0.87578	0.91346	0.82693						
	0.84653						AVRG		0.85537		4.67648	

000198
RESUBMITTED

034254

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	2.06721	2.16487	2.30757	2.17706	2.12094	2.15567						
	2.29423						AVRG		2.18394		4.02031	
69 1,2 Difluorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
70 Methyl disulfide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
84 1-Chlorohexane	0.45431	0.46866	0.44930	0.43181	0.43319	0.40777						
	0.41165						AVRG		0.43667		5.11353	
88 Phenyl Isopropanol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
86 Chlorobenzene ++	1.75814	1.70787	1.70131	1.72389	1.74663	1.85666						
	1.67206						AVRG		1.73808		3.43297	
87 Ethylbenzene +	0.85567	0.85770	0.82645	0.84886	0.87204	0.90482						
	0.82717						AVRG		0.85610		3.16264	

RESUBMITTED 0001199

034255

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	0.54957	0.54830	0.55765	0.57779	0.60481	0.58679						
	0.53755						AVRG		0.56607		4.29072	
M 75 Total 1,2-Dichloroethene	0.30762	0.31236	0.31072	0.31155	0.30099	0.32570						
	0.30225						AVRG		0.31017		2.63842	
90 p,m-Xylene	1.05718	1.04566	1.03826	1.02966	1.03392	1.12571						
	1.00165						AVRG		1.04743		3.67790	
M 77 1-3 Dichloropropene-Total	0.52888	0.54068	0.52791	0.53809	0.52091	0.51332						
	0.53472						AVRG		0.52922		1.83173	
91 o-Xylene	1.07318	1.04649	1.06720	1.07671	1.12200	1.07586						
	1.01324						AVRG		1.06781		3.09231	
92 Styrene	1.90617	1.87592	1.89051	1.89956	1.98881	1.88018						
	1.84576						AVRG		1.89813		2.34691	
82 Mesityloxide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

RESUBMITTED 000200

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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 ++	0.49745	0.52393	0.57141	0.57868	0.61613	0.46529					
	0.50797						AVRG		0.53726		9.87922
96 Isopropylbenzene	2.44462	2.50253	2.48064	2.47970	2.52649	2.43735					
	2.36112						AVRG		2.46178		2.19678
102 Bromobenzene	1.71960	1.75150	1.66943	1.64211	1.55522	1.83911					
	1.70934						AVRG		1.69805		5.25079
103 n-Propylbenzene	4.06676	4.11245	3.94345	3.86130	3.66742	4.24190					
	3.89280						AVRG		3.96944		4.75351
101 1,1,2,2-Tetrachloroethane++	1.56781	1.61879	1.57085	1.55944	1.57097	1.60197					
	1.43562						AVRG		1.56078		3.78884
105 2-Chlorotoluene	2.80606	2.77472	2.55905	2.61664	2.52420	2.88527					
	2.57905						AVRG		2.67786		5.28283
107 1,3,5-Trimethylbenzene	2.71320	2.68038	2.60784	2.61686	2.51328	2.75322					
	2.53104						AVRG		2.63083		3.42529

000201
RESUBMITTED

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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											
104 1,2,3-Trichloropropane	1.89084	1.86440	1.84514	1.76228	1.74450	1.88773						
	1.93655						AVRG		1.84735		3.80128	
106 trans-1,4-Dichloro-2-Butene	0.38294	0.50484	0.49012	0.37648	0.36315	0.46856						
	0.40741						AVRG		0.42764		13.74181	
108 4-Chlorotoluene	2.54113	2.43936	2.36987	2.37423	2.34572	2.74334						
	2.42577						AVRG		2.46277		5.66889	
109 tert-butylbenzene	1.48718	1.83314	1.76843	1.75023	1.41582	1.84495						
	1.39005						AVRG		1.64140		12.28656	
110 1,2,4-Trimethylbenzene	2.81279	2.79890	2.64637	2.63021	2.58352	2.91424						
	2.64526						AVRG		2.71875		4.51112	
93 cis-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
94 trans-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

000202
RESUBMITTED

034258

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	3.54170	3.61481	3.47797	3.43584	3.37683	3.43457						
	3.35961						AVRG		3.46305		2.61284	
111 Pentachloroethane	0.18078	0.16646	0.16239	0.15883	0.15079	0.18999						
	0.17476						AVRG		0.16914		7.99570	
113 p-Isopropyltoluene	2.78780	2.90644	2.79165	2.76572	2.74815	2.74042						
	2.62586						AVRG		2.76658		3.00486	
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	1.51605	1.45776	1.42124	1.40275	1.48266	1.63262						
	1.41546						AVRG		1.47551		5.43176	
159 1,3-Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-

000203
RESUBMITTED

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	1.62664	1.58123	1.50151	1.49188	1.54165	1.83799						
	1.52353						AVRG		1.58635		7.59257	
97 1-5 Cyclooctadiene	0.86326	0.95744	0.98339	1.05569	1.00491	0.81490						
	0.89849						AVRG		0.93972		9.01342	
99 Methyl isobutenyl ketone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
100 Cyclohexanone	1.75281	1.90024	1.84057	2.01016	1.89153	1.92607						
	1.98509						AVRG		1.90092		4.57188	
119 n-Butylbenzene	2.83401	2.93971	2.80684	2.74453	2.75349	2.84608						
	2.68349						AVRG		2.80116		2.97442	

000204
RESUBMITTED

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	1.51728	1.47755	1.42408	1.43452	1.47960	1.67596						
	1.39779						AVRG		1.48668		6.22805	
M 162 Total Diethylbenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
121 1,2-Dibromo-3-Chloropropane	0.34100	0.40569	0.40696	0.40264	0.42385	+++++						
	0.38343						AVRG		0.39393		7.34895	
122 Benzal chloride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
124 Hexachlorobutadiene	0.42856	0.43728	0.41318	0.43353	0.46012	0.39345						
	0.37994						AVRG		0.42087		6.51869	
123 1,2,4-Trichlorobenzene	0.92303	0.96408	0.86692	0.90763	0.96429	0.92938						
	0.83770						AVRG		0.91329		5.18044	
125 Napthalene	3.68725	3.81943	3.43839	3.48581	3.59697	4.29883						
	3.57776						AVRG		3.70063		7.90063	

000205 RESUBMITTED

034261

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 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	0.90697	0.96111	0.85660	0.89131	0.93744	0.95105						
	0.84305						AVRG		0.90679		5.06771	
M 127 TOTAL XYLENE	1.06251	1.04594	1.04790	1.04535	1.06328	1.10909						
	1.00551						AVRG		1.05423		2.92924	
M 128 Total-1,2 Dibromoethylene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++						AVRG		0.000e+00		0.000e+00	<-
$ 41 Dibromofluoromethane	0.38625	0.34240	0.33891	0.34089	0.33357	0.46007						
	0.33326						AVRG		0.36219		12.95154	
$ 47 1,2-Dichloroethane-d4	0.25139	0.21545	0.21105	0.20598	0.20296	+++++						
	0.21866						AVRG		0.21758		8.06614	
$ 67 Toluene-d8	2.59239	2.23952	2.21490	2.16722	2.20916	2.89358						
	2.29077						AVRG		2.37250		11.38680	
$ 98 Bromofluorobenzene	0.62649	0.62812	0.63207	0.64683	0.68741	0.69277						
	0.63433						AVRG		0.64972		4.37014	

RESUBMITTED 000206

034262

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 01-DEC-2006 08:09
End Cal Date : 09-DEC-2006 23:25
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Cal Date : 28-Dec-2006 10:43 rjo

Average %RSD Results.
Calculated Average %RSD = 7.52503
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

000207
RESUBMITTED

GCAL, Inc.

Data file : /var/chem/msv0.i/2061209p.b/v7070.d
Lab Smp Id: 1201 Client Smp ID: V0APP9STD005
Inj Date : 09-DEC-2006 21:43
Operator : KCB Inst ID: msv0.i
Smp Info : 1201*V0APP9STD005
Misc Info : MSV~9731~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061209p.b/8260Bs0c.m
Meth Date : 31-Jan-2007 14:26 rbm Quant Type: ISTD
Cal Date : 09-DEC-2006 21:43 Cal File: v7070.d
Als bottle: 38 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.464	1.464	(0.293)	10636	5.00000	5.29	8655
8	Ethyl Ether	59	2.113	2.113	(0.423)	25945	25.0000	26.0	9277
15	Allyl Chloride	39	2.657	2.657	(0.532)	9502	5.00000	7.66	0(M1)
17	Acetonitrile	41	2.663	2.663	(0.533)	12521	25.0000	33.8	6898(H)
25	Isopropyl Ether	45	3.445	3.445	(0.690)	71488	5.00000	5.44	9053
28	Chloroprene	53	3.491	3.491	(0.699)	23127	5.00000	5.84	8411
32	Ethyl Acetate	43	4.365	4.365	(0.874)	249632	25.0000	25.8	0(M1)
33	Proprionitrile	54	4.743	4.743	(0.950)	41166	25.0000	23.3	0(M1)
36	Tetrahydrofuran	42	4.378	4.378	(0.877)	116657	25.0000	24.8	6216
37	Methylacrylonitrile	41	4.736	4.736	(0.948)	29692	5.00000	4.93	5769(a)
45	Isobutyl Alcohol	43	4.948	4.948	(1.094)	30439	25.0000	23.1	4639(M1H)
44	2-2-4 trimethyl Pentane	57	4.571	4.571	(0.915)	63243	5.00000	4.85	8617(a)
* 49	FLUOROBENZENE	96	4.994	4.994	(1.000)	609833	50.0000		9765

000207A

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	51 N-Butyl Alcohol	56	5.478	5.478	(1.097)	16356	25.0000	21.0	6653
	56 2,3-Dichloro-1-propene	75	5.491	5.491	(1.099)	27837	5.00000	4.77	9453(a)
	57 Methyl Methacrylate	69	5.670	5.670	(1.135)	19910	5.00000	4.49	0(aM1)
	59 1,4-Dioxane	58	5.783	5.783	(1.158)	10039	125.000	143	5868
	63 1-Nitropropane	43	6.319	6.319	(1.265)	12301	5.00000	4.26	9272(a)
	73 Ethyl Methacrylate	41	6.544	6.544	(0.913)	29544	5.00000	4.53	0(aM1)
	74 2-Nitropropane	43	6.816	6.816	(0.951)	6959	5.00000	4.17	0(M1)
*	85 Chlorobenzene-d5	82	7.167	7.167	(1.000)	268992	50.0000		2824
	97 1-5 Cyclooctadiene	67	7.750	7.750	(1.081)	23221	5.00000	4.59	3690(aM1)
	100 Cyclohexanone	55	8.260	8.260	(0.945)	36563	5.00000	4.61	0(aM1)
	111 Pentachloroethane	167	8.438	8.438	(0.965)	3771	5.00000	5.34	0(M1)
*	115 1,4-DICHLOROBENZENE-D4	152	8.743	8.743	(1.000)	208597	50.0000		3560

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.

000207B

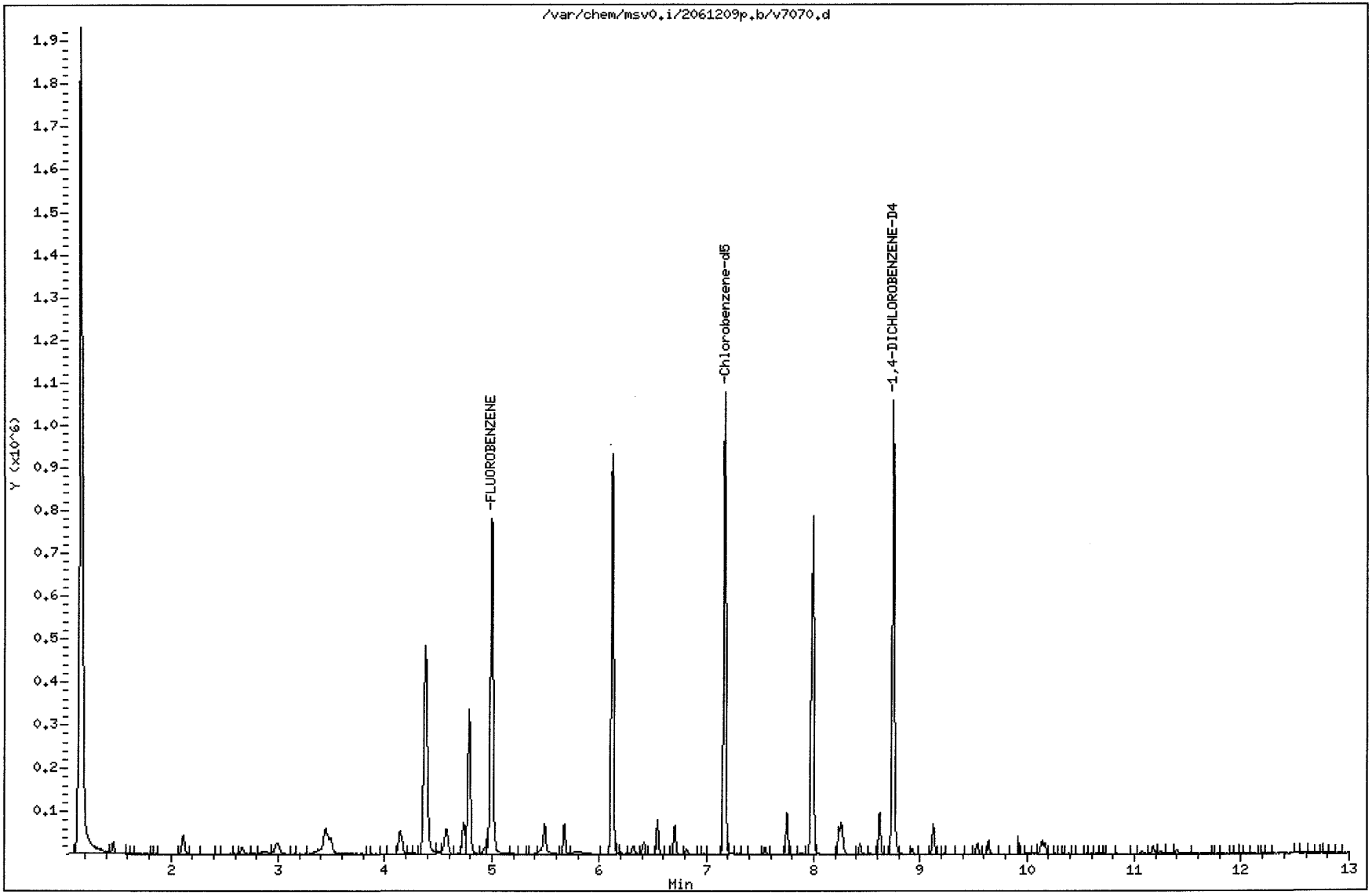
Data File: /var/chem/msv0.i/2061209p.b/v7070.d
Date : 09-DEC-2006 21:43
Client ID: V0APP9STD005
Sample Info: 1201*V0APP9STD005

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

27020000



034266

GCAL, Inc.

Data file : /var/chem/msv0.i/2061209p.b/v7072.d
Lab Smp Id: 1202 Client Smp ID: V0APP9STD020
Inj Date : 09-DEC-2006 22:24
Operator : KCB Inst ID: msv0.i
Smp Info : 1202*V0APP9STD020
Misc Info : MSV~9731~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061209p.b/8260Bs0c.m
Meth Date : 31-Jan-2007 14:08 rbm Quant Type: ISTD
Cal Date : 09-DEC-2006 22:24 Cal File: v7072.d
Als bottle: 40 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3 1,3 Butadiene	39	1.458	1.458	(0.292)	38918	20.0000	20.0	9350
8 Ethyl Ether	59	2.107	2.107	(0.422)	102526	100.000	106	9565
15 Allyl Chloride	39	2.657	2.657	(0.532)	30400	20.0000	16.8	0(M1)
17 Acetonitrile	41	2.663	2.663	(0.533)	41587	100.000	90.6	6390(H)
25 Isopropyl Ether	45	3.438	3.438	(0.688)	257296	20.0000	20.2	9447
28 Chloroprene	53	3.491	3.491	(0.699)	84649	20.0000	22.0	8627
32 Ethyl Acetate	43	4.365	4.365	(0.874)	943871	100.000	101	0(M1)
33 Proprionitrile	54	4.743	4.743	(0.950)	172150	100.000	100	3214(M1)
36 Tetrahydrofuran	42	4.378	4.378	(0.877)	457320	100.000	100	6444
37 Methylacrylonitrile	41	4.736	4.736	(0.948)	118728	20.0000	20.3	5711
45 Isobutyl Alcohol	43	4.948	4.948	(1.094)	118715	100.000	92.8	5090(M1H)
44 2-2-4 trimethyl Pentane	57	4.571	4.571	(0.915)	259388	20.0000	20.5	8647
* 49 FLUOROBENZENE	96	4.994	4.994	(1.000)	591833	50.0000		9756

0002070

034267

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
51	N-Butyl Alcohol	56	5.458	5.458	(1.093)	74496	100.000	98.3	8939
56	2,3-Dichloro-1-propene	75	5.491	5.491	(1.099)	113456	20.0000	20.0	9585
57	Methyl Methacrylate	69	5.677	5.677	(1.137)	88086	20.0000	20.5	7970(M1)
59	1,4-Dioxane	58	5.849	5.849	(1.171)	50074	500.000	471	5768
63	1-Nitropropane	43	6.319	6.319	(1.265)	53091	20.0000	19.0	9313
73	Ethyl Methacrylate	41	6.544	6.544	(0.913)	133959	20.0000	21.3	3868(M1)
74	2-Nitropropane	43	6.816	6.816	(0.951)	30968	20.0000	19.3	0(M1)
* 85	Chlorobenzene-d5	82	7.167	7.167	(1.000)	259166	50.0000		2831
97	1-5 Cyclooctadiene	67	7.750	7.750	(1.081)	99254	20.0000	20.4	3651(M1)
100	Cyclohexanone	55	8.266	8.266	(0.945)	153171	20.0000	20.0	3798(M1)
111	Pentachloroethane	167	8.438	8.438	(0.965)	13418	20.0000	19.7	9120
* 115	1,4-DICHLOROBENZENE-D4	152	8.743	8.743	(1.000)	201515	50.0000		3577

QC Flag Legend

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

000207E

034268

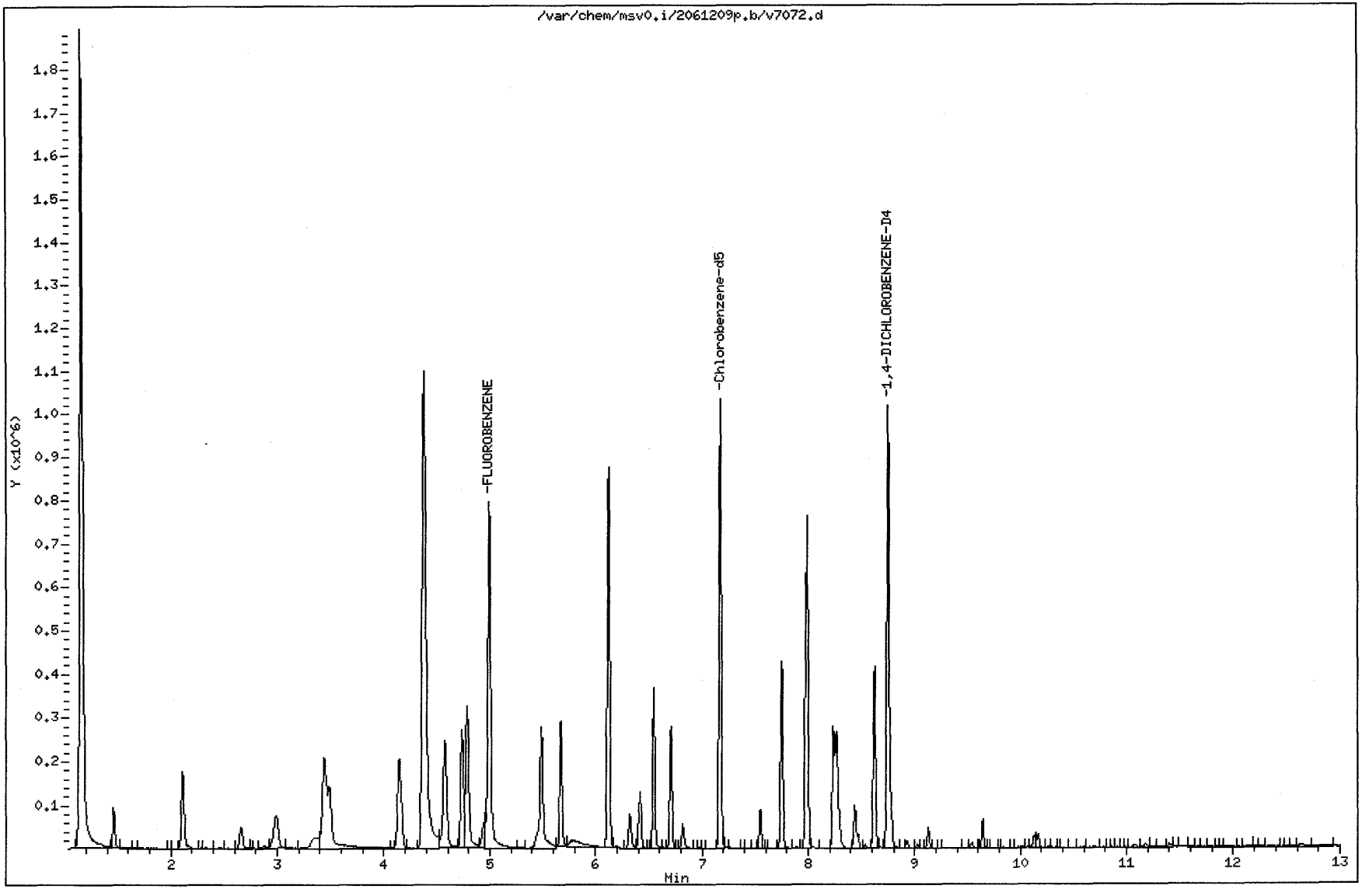
Data File: /var/chem/msv0.i/2061209p.b/v7072.d
Date : 09-DEC-2006 22:24
Client ID: V0APP9STD020
Sample Info: 1202*V0APP9STD020

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

f102072



034269

GCAL, Inc.

Data file : /var/chem/msv0.i/2061209p.b/v7073.d
Lab Smp Id: 1203 Client Smp ID: V0APP9STD050
Inj Date : 09-DEC-2006 22:44
Operator : KCB Inst ID: msv0.i
Smp Info : 1203*V0APP9STD050
Misc Info : MSV~9731~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061209p.b/8260Bs0c.m
Meth Date : 31-Jan-2007 14:08 rbm Quant Type: ISTD
Cal Date : 09-DEC-2006 22:44 Cal File: v7073.d
Als bottle: 41 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.458	1.458	(0.292)	94005	50.0000	49.3	9375
8	Ethyl Ether	59	2.107	2.107	(0.422)	206888	250.000	218	9351
15	Allyl Chloride	39	2.657	2.657	(0.532)	73063	50.0000	49.2	0(M1)
17	Acetonitrile	41	2.657	2.657	(0.532)	94795	250.000	254	6118(H)
25	Isopropyl Ether	45	3.438	3.438	(0.688)	672607	50.0000	53.9	9403
28	Chloroprene	53	3.485	3.485	(0.698)	206144	50.0000	54.9	8822
32	Ethyl Acetate	43	4.365	4.365	(0.874)	2163590	250.000	236	0(M1)
33	Proprionitrile	54	4.736	4.736	(0.948)	397704	250.000	237	3004(M1)
36	Tetrahydrofuran	42	4.379	4.379	(0.877)	1047887	250.000	235	6759
37	Methylacrylonitrile	41	4.730	4.730	(0.947)	292391	50.0000	51.1	5654
45	Isobutyl Alcohol	43	4.961	4.961	(1.101)	277948	250.000	222	3524(M1H)
44	2-2-4 trimethyl Pentane	57	4.571	4.571	(0.915)	625028	50.0000	50.5	8548
* 49	FLUOROBENZENE	96	4.995	4.995	(1.000)	578785	50.0000		9711

000207G

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
51	N-Butyl Alcohol	56	5.485	5.485	(1.098)	177935	250.000	240	4927(H)
56	2,3-Dichloro-1-propene	75	5.491	5.491	(1.099)	283146	50.0000	51.1	9526
57	Methyl Methacrylate	69	5.677	5.677	(1.137)	222348	50.0000	52.9	7861(M1)
59	1,4-Dioxane	58	5.789	5.789	(1.159)	131704	1250.00	1160	5954
63	1-Nitropropane	43	6.319	6.319	(1.265)	135514	50.0000	49.5	9218
73	Ethyl Methacrylate	41	6.544	6.544	(0.913)	335946	50.0000	54.0	3821(M1)
74	2-Nitropropane	43	6.816	6.816	(0.951)	76958	50.0000	48.3	0(M1)
* 85	Chlorobenzene-d5	82	7.167	7.167	(1.000)	256624	50.0000		2792
97	1-5 Cyclooctadiene	67	7.750	7.750	(1.081)	252361	50.0000	52.3	3640(M1)
100	Cyclohexanone	55	8.266	8.266	(0.945)	370339	50.0000	48.4	3797(M1)
111	Pentachloroethane	167	8.439	8.439	(0.965)	32674	50.0000	48.0	8994
* 115	1,4-DICHLOROBENZENE-D4	152	8.743	8.743	(1.000)	201209	50.0000		3577

QC Flag Legend

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

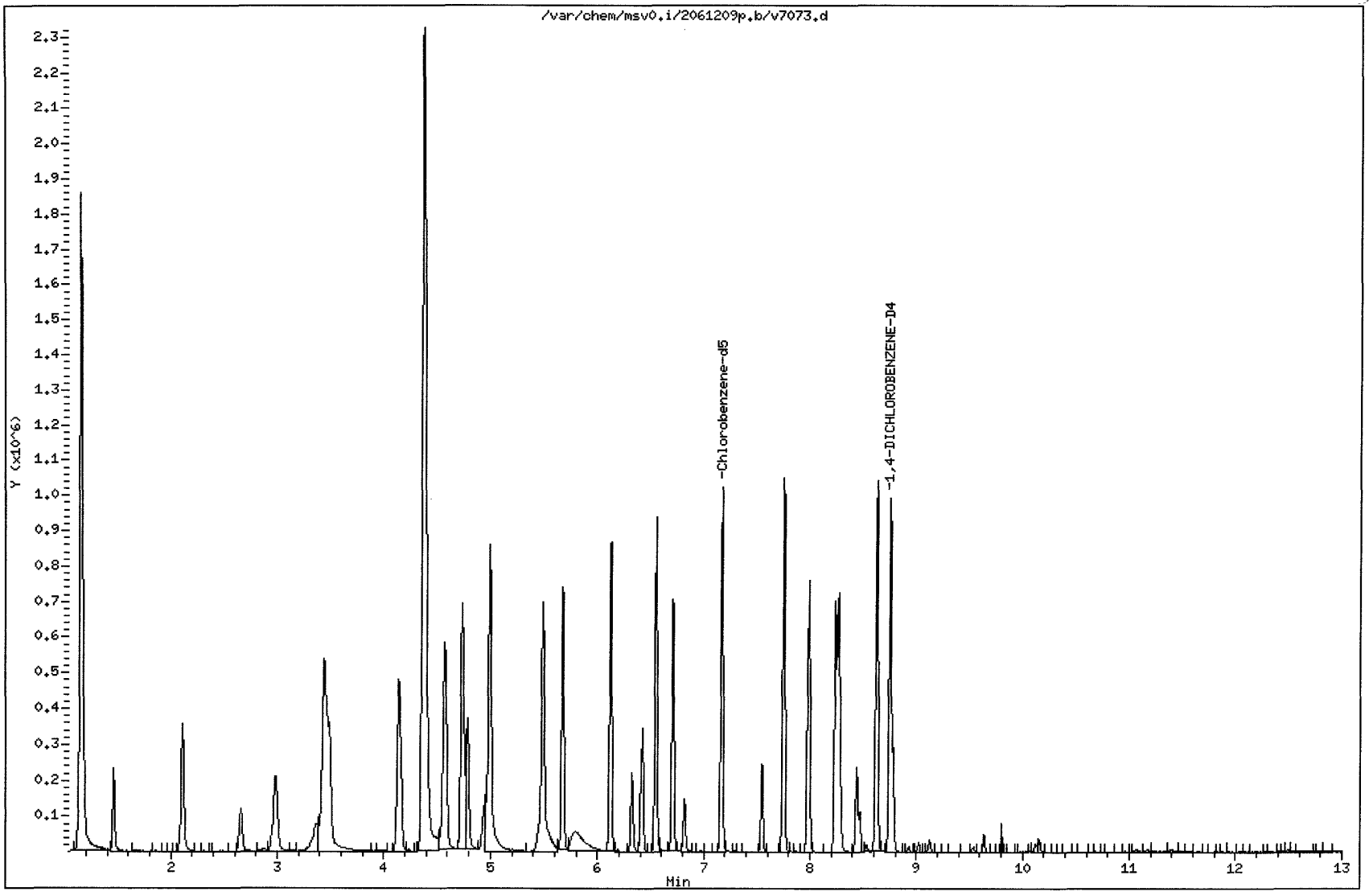
000207H

Data File: /var/chem/msv0.i/2061209p.b/v7073.d
Date : 09-DEC-2006 22:44
Client ID: V0APP9STD050
Sample Info: 1203*V0APP9STD050

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53



GCAL, Inc.

Data file : /var/chem/msv0.i/2061209p.b/v7074.d
Lab Smp Id: 1204 Client Smp ID: V0APP9STD100
Inj Date : 09-DEC-2006 23:05
Operator : KCB Inst ID: msv0.i
Smp Info : 1204*V0APP9STD100
Misc Info : MSV~9731~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061209p.b/8260Bs0c.m
Meth Date : 31-Jan-2007 14:08 rbm Quant Type: ISTD
Cal Date : 09-DEC-2006 23:05 Cal File: v7074.d
Als bottle: 42 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3 1,3 Butadiene	39	1.460	1.460	(0.292)	192512	100.000	105	9281
8 Ethyl Ether	59	2.103	2.103	(0.421)	429925	500.000	470	9402
15 Allyl Chloride	39	2.652	2.652	(0.531)	114463	100.000	102	0(M1)
17 Acetonitrile	41	2.652	2.652	(0.689)	145843	500.000	501	6028(M3H)
25 Isopropyl Ether	45	3.441	3.441	(0.689)	687244	100.000	57.0	9179
28 Chloroprene	53	3.480	3.480	(0.696)	357162	100.000	98.4	8911
32 Ethyl Acetate	43	4.368	4.368	(0.874)	4202850	500.000	474	0(M1)
33 Proprionitrile	54	4.745	4.745	(0.950)	852377	500.000	526	2971(M1)
36 Tetrahydrofuran	42	4.381	4.381	(0.877)	2104652	500.000	488	6611
37 Methylacrylonitrile	41	4.732	4.732	(0.947)	571810	100.000	103	5659(H)
45 Isobutyl Alcohol	43	4.977	4.977	(1.103)	598429	500.000	495	4679(M1H)
44 2-2-4 trimethyl Pentane	57	4.573	4.573	(0.915)	1271418	100.000	106	8551
* 49 FLUOROBENZENE	96	4.997	4.997	(1.000)	559073	50.0000		9626

000207J

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
51	N-Butyl Alcohol	56	5.507	5.507	(1.102)	384003	500.000	537	7311
56	2,3-Dichloro-1-propene	75	5.487	5.487	(1.098)	566924	100.000	106	9518
57	Methyl Methacrylate	69	5.673	5.673	(1.135)	447170	100.000	110	7774 (M1)
59	1,4-Dioxane	58	5.838	5.838	(1.168)	285850	2500.00	2520	5622
63	1-Nitropropane	43	6.322	6.322	(1.265)	308076	100.000	116	9111
73	Ethyl Methacrylate	41	6.547	6.547	(0.913)	666336	100.000	111	3769 (M1)
74	2-Nitropropane	43	6.818	6.818	(0.951)	174701	100.000	113	0 (M1)
* 85	Chlorobenzene-d5	82	7.169	7.169	(1.000)	248189	50.0000		2790
97	1-5 Cyclooctadiene	67	7.752	7.752	(1.081)	524020	100.000	112	3636 (M1)
100	Cyclohexanone	55	8.269	8.269	(0.945)	764294	100.000	106	3772 (M1)
111	Pentachloroethane	167	8.441	8.441	(0.965)	60391	100.000	93.9	8916
* 115	1,4-DICHLOROBENZENE-D4	152	8.746	8.746	(1.000)	190108	50.0000		3578

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.

000207K

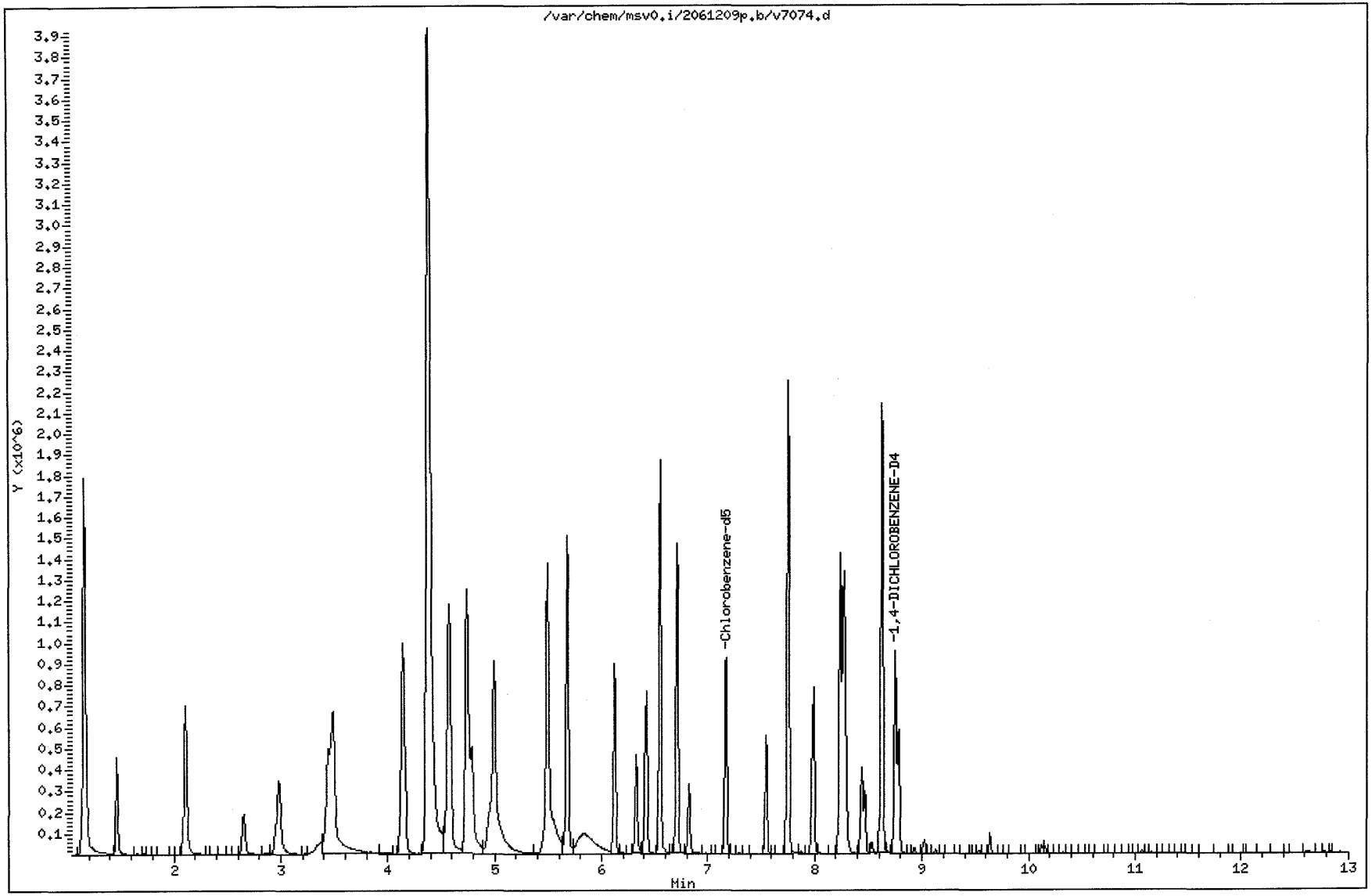
Data File: /var/chem/msv0.i/2061209p.b/v7074.d
Date : 09-DEC-2006 23:05
Client ID: V0APP9STD100
Sample Info: 1204*V0APP9STD100

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

0002071



034275

GCAL, Inc.

Data file : /var/chem/msv0.i/2061209p.b/v7075.d
Lab Smp Id: 1205 Client Smp ID: V0APP9STD200
Inj Date : 09-DEC-2006 23:25
Operator : KCB Inst ID: msv0.i
Smp Info : 1205*V0APP9STD200
Misc Info : MSV~9731~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061209p.b/8260Bs0c.m
Meth Date : 31-Jan-2007 14:08 rbm Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 43 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.457	1.457	(0.292)	349075	200.000	185	9327
8	Ethyl Ether	59	2.099	2.099	(0.421)	868475	1000.00	925	9420
15	Allyl Chloride	39	2.643	2.643	(0.530)	174847	200.000	199	3431(M3)
17	Acetonitrile	41	2.643	2.643	(0.709)	230089	1000.00	999	5147(M3H)
25	Isopropyl Ether	45	3.437	3.437	(0.689)	850819	200.000	68.8	9097
28	Chloroprene	53	3.470	3.470	(0.696)	362685	200.000	97.5	9133
32	Ethyl Acetate	43	4.365	4.365	(0.875)	7826845	1000.00	861	1585(M3H)
33	Proprionitrile	54	4.755	4.755	(0.954)	1750833	1000.00	1050	2948(AM3)
36	Tetrahydrofuran	42	4.384	4.384	(0.879)	4194343	1000.00	948	6601
37	Methylacrylonitrile	41	4.735	4.735	(0.950)	1162105	200.000	205	6529(AM3)
45	Isobutyl Alcohol	43	5.053	5.053	(1.137)	1218874	1000.00	983	5065(M3H)
44	2-2-4 trimethyl Pentane	57	4.563	4.563	(0.915)	2449310	200.000	200	8563
* 49	FLUOROBENZENE	96	4.987	4.987	(1.000)	573391	50.0000		9426

000207M

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
51	N-Butyl Alcohol	56	5.570	5.570	(1.117)	927759	1000.00	1260	8507(A)
56	2,3-Dichloro-1-propene	75	5.484	5.484	(1.100)	1144014	200.000	208	9360(A)
57	Methyl Methacrylate	69	5.676	5.676	(1.138)	899354	200.000	216	7614(AM3)
59	1,4-Dioxane	58	5.908	5.908	(1.185)	590366	5000.00	5010	5573(A)
63	1-Nitropropane	43	6.318	6.318	(1.267)	624452	200.000	230	9133(A)
73	Ethyl Methacrylate	41	6.543	6.543	(0.913)	1272283	200.000	202	3852(AM1)
74	2-Nitropropane	43	6.815	6.815	(0.951)	375313	200.000	232	0(AM1)
* 85	Chlorobenzene-d5	82	7.166	7.166	(1.000)	260135	50.0000		2848
97	1-5 Cyclooctadiene	67	7.749	7.749	(1.081)	1045648	200.000	214	3623(AM3H)
100	Cyclohexanone	55	8.279	8.279	(0.947)	1567568	200.000	199	3781(M3)
111	Pentachloroethane	167	8.438	8.438	(0.965)	124968	200.000	178	8919
* 115	1,4-DICHLOROBENZENE-D4	152	8.742	8.742	(1.000)	207183	50.0000		3619

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
M3- Compound response manually integrated because Target system integrated incorrect peak.
H - Operator selected an alternate compound hit.

000207N

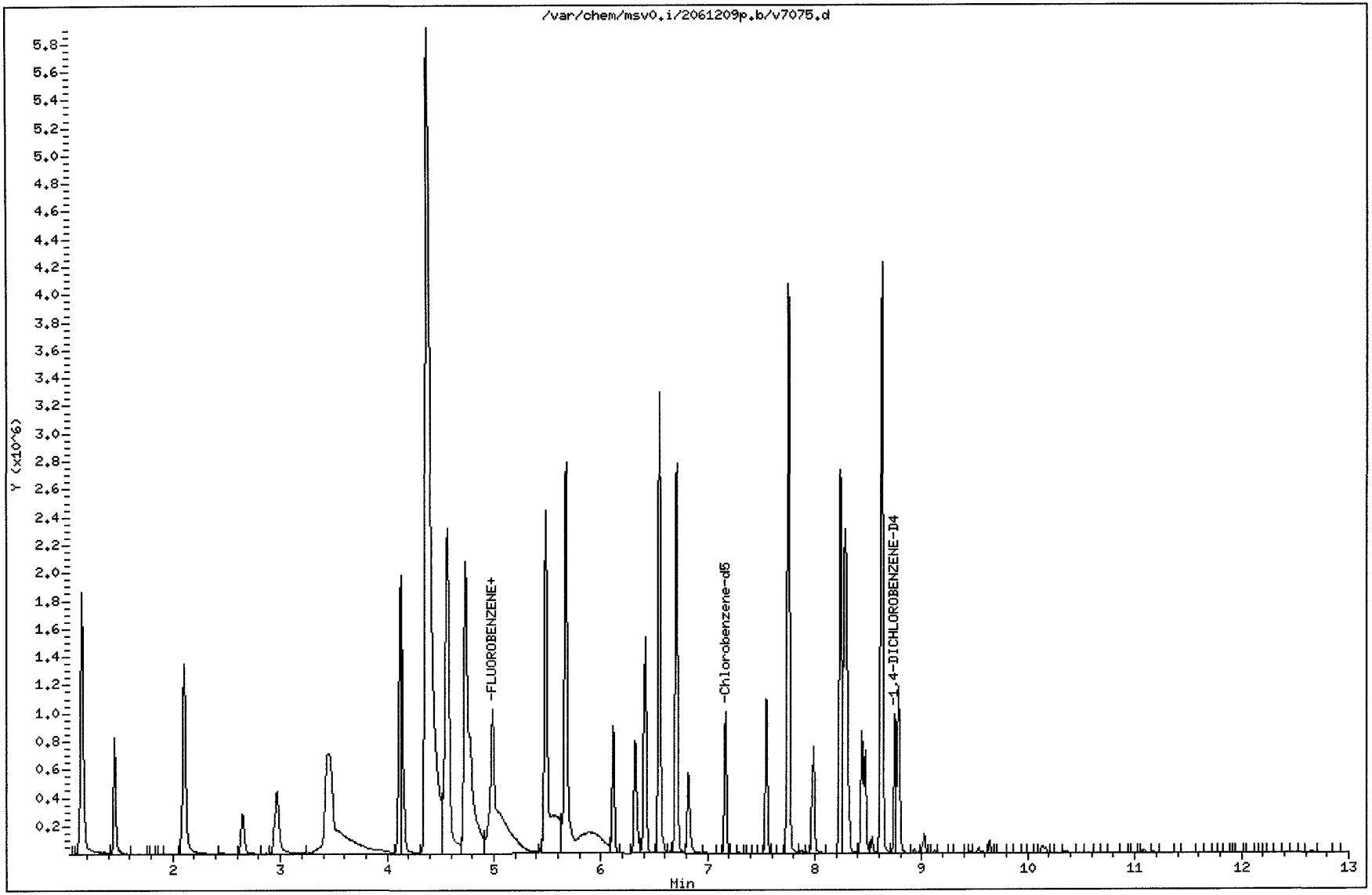
Data File: /var/chem/msv0.i/2061209p.b/v7075.d
Date : 09-DEC-2006 23:25
Client ID: V0APP9STD200
Sample Info: 1205*V0APP9STD200

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

00002070



GCAL, Inc.

Data file : /var/chem/msv0.i/2061209p.b/v7069.d
Lab Smp Id: 1206 Client Smp ID: V0APP9STD002
Inj Date : 09-DEC-2006 21:23
Operator : KCB Inst ID: msv0.i
Smp Info : 1206*V0APP9STD002
Misc Info : MSV~9731~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061209p.b/8260Bs0c.m
Meth Date : 31-Jan-2007 14:08 rbm Quant Type: ISTD
Cal Date : 09-DEC-2006 21:23 Cal File: v7069.d
Als bottle: 37 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.467	1.467	(0.294)	6159	2.00000	2.92	6892(a)
8	Ethyl Ether	59	2.109	2.109	(0.422)	10500	10.0000	10.0	8827
15	Allyl Chloride	39	2.666	2.666	(0.533)	5432	2.00000	6.34	0(M1)
25	Isopropyl Ether	45	3.441	3.441	(0.689)	29895	2.00000	2.16	8472(a)
28	Chloroprene	53	3.494	3.494	(0.699)	9143	2.00000	2.20	7454(a)
32	Ethyl Acetate	43	4.368	4.368	(0.874)	116878	10.0000	11.5	0(M1)
33	Proprionitrile	54	4.732	4.732	(0.947)	18589	10.0000	10.0	0(M1)
36	Tetrahydrofuran	42	4.375	4.375	(0.875)	53908	10.0000	10.9	6125
37	Methylacrylonitrile	41	4.732	4.732	(0.947)	11117	2.00000	1.75	5530(a)
45	Isobutyl Alcohol	43	4.931	4.931	(0.987)	17455	10.0000	12.6	4053(M1H)
44	2-2-4 trimethyl Pentane	57	4.573	4.573	(0.915)	25667	2.00000	1.87	0(aM1)
* 49	FLUOROBENZENE	96	4.997	4.997	(1.000)	640970	50.0000		9806
51	N-Butyl Alcohol	56	5.441	5.441	(1.089)	7176	10.0000	8.75	8446

000207P

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
56 2,3-Dichloro-1-propene	75	5.487	5.487	(1.098)	11558	2.00000	1.88	8840(a)
57 Methyl Methacrylate	69	5.679	5.679	(1.137)	7881	2.00000	1.69	0(aM1)
59 1,4-Dioxane	58	5.772	5.772	(1.155)	3932	50.0000	93.5	4570
73 Ethyl Methacrylate	41	6.547	6.547	(0.913)	11003	2.00000	1.62	0(aM1)
74 2-Nitropropane	43	6.818	6.818	(0.951)	2273	2.00000	1.31	0(aM1)
* 85 Chlorobenzene-d5	82	7.169	7.169	(1.000)	280465	50.0000		2827
97 1-5 Cyclooctadiene	67	7.752	7.752	(1.081)	9142	2.00000	1.73	0(aM1)
100 Cyclohexanone	55	8.262	8.262	(0.945)	16808	2.00000	2.03	0(aM1)
111 Pentachloroethane	167	8.434	8.434	(0.964)	1658	2.00000	2.25	0(aM1)
* 115 1,4-DICHLOROBENZENE-D4	152	8.746	8.746	(1.000)	218165	50.0000		3604

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.

0002070

034280

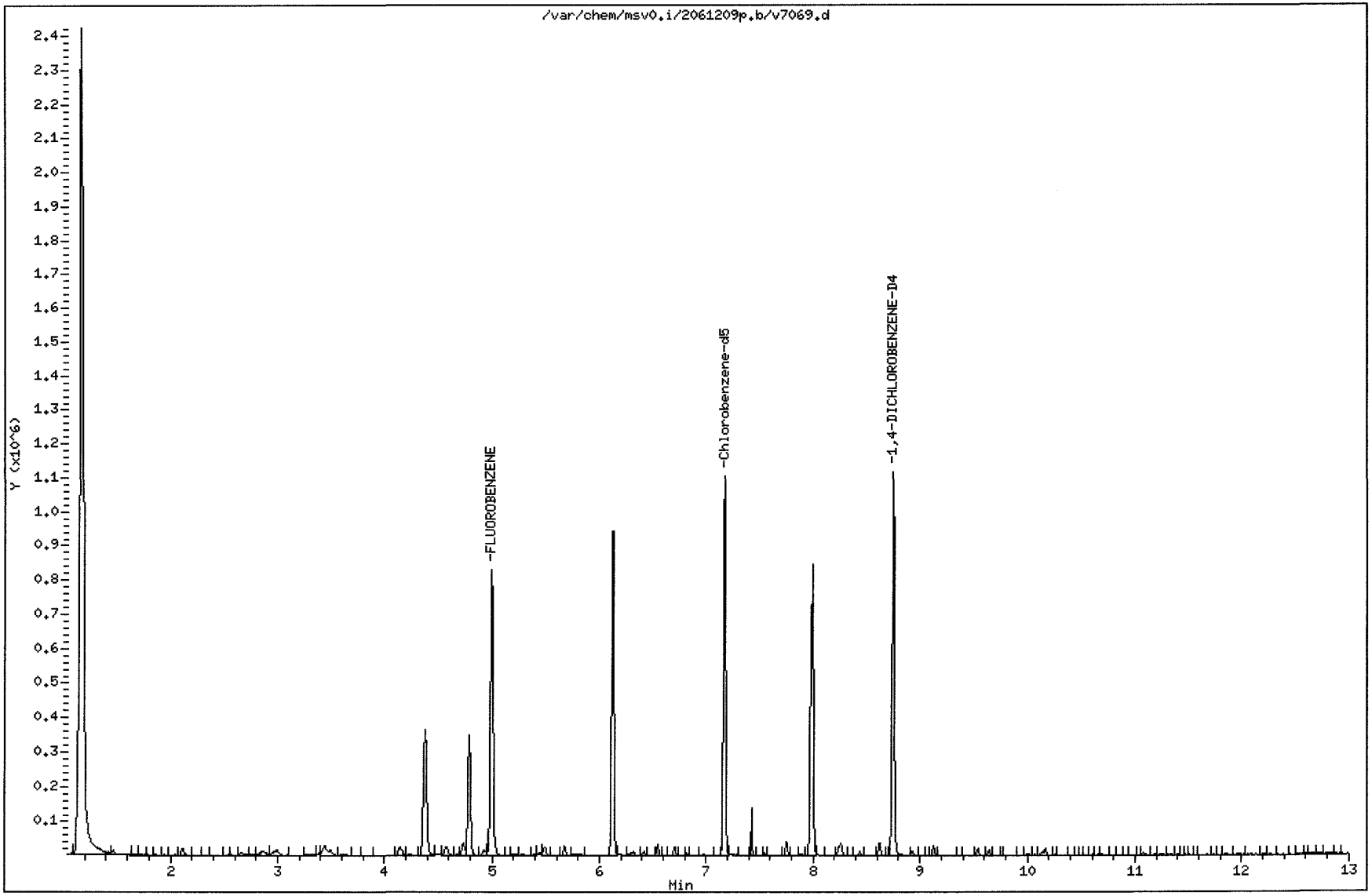
Data File: /var/chem/msv0.i/2061209p.b/v7069.d
Date : 09-DEC-2006 21:23
Client ID: V0APP9STD002
Sample Info: 1206#V0APP9STD002

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

000207R



034281

GCAL, Inc.

Data file : /var/chem/msv0.i/2061209p.b/v7071.d
Lab Smp Id: 1207 Client Smp ID: V0APP9STD010
Inj Date : 09-DEC-2006 22:03
Operator : KCB Inst ID: msv0.i
Smp Info : 1207*V0APP9STD010
Misc Info : MSV~9731~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061209p.b/8260Bs0c.m
Meth Date : 31-Jan-2007 14:08 rbm Quant Type: ISTD
Cal Date : 09-DEC-2006 22:03 Cal File: v7071.d
Als bottle: 39 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.457	1.457	(0.292)	19723	10.0000	9.88	9191
8	Ethyl Ether	59	2.112	2.112	(0.423)	57807	50.0000	58.3	9440
15	Allyl Chloride	39	2.655	2.655	(0.532)	15543	10.0000	9.82	0(M1)
17	Acetonitrile	41	2.662	2.662	(0.533)	20225	50.0000	46.4	6628(H)
25	Isopropyl Ether	45	3.444	3.444	(0.690)	97447	10.0000	7.46	9113
28	Chloroprene	53	3.490	3.490	(0.699)	41747	10.0000	10.6	8692
32	Ethyl Acetate	43	4.364	4.364	(0.874)	508701	50.0000	53.0	0(M1)
33	Proprionitrile	54	4.742	4.742	(0.950)	89318	50.0000	50.8	3309(M1)
36	Tetrahydrofuran	42	4.384	4.384	(0.878)	246981	50.0000	52.8	6999
37	Methylacrylonitrile	41	4.735	4.735	(0.948)	62374	10.0000	10.4	5752
45	Isobutyl Alcohol	43	4.960	4.960	(1.098)	67419	50.0000	51.5	3562(M1H)
44	2-2-4 trimethyl Pentane	57	4.576	4.576	(0.916)	129852	10.0000	10.0	8601
* 49	FLUOROBENZENE	96	4.993	4.993	(1.000)	605916	50.0000		9805

0002075

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
51 N-Butyl Alcohol	56	5.477	5.477	(1.097)	39043	50.0000	50.3	6728
56 2,3-Dichloro-1-propene	75	5.490	5.490	(1.099)	56689	10.0000	9.78	9520
57 Methyl Methacrylate	69	5.676	5.676	(1.137)	43818	10.0000	9.95	0(M1)
59 1,4-Dioxane	58	5.815	5.815	(1.164)	27122	250.000	279	5202
63 1-Nitropropane	43	6.318	6.318	(1.265)	25664	10.0000	8.95	9473
73 Ethyl Methacrylate	41	6.543	6.543	(0.913)	65469	10.0000	10.3	3968(M1)
74 2-Nitropropane	43	6.815	6.815	(0.951)	15357	10.0000	9.41	0(M1)
* 85 Chlorobenzene-d5	82	7.166	7.166	(1.000)	262919	50.0000		2834
97 1-5 Cyclooctadiene	67	7.755	7.755	(1.082)	47246	10.0000	9.56	3622(M1)
100 Cyclohexanone	55	8.265	8.265	(0.945)	81911	10.0000	10.4	0(M1)
111 Pentachloroethane	167	8.437	8.437	(0.964)	7211	10.0000	10.3	0(M1)
* 115 1,4-DICHLOROBENZENE-D4	152	8.749	8.749	(1.000)	206316	50.0000		3559

QC Flag Legend

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

000207T

034283

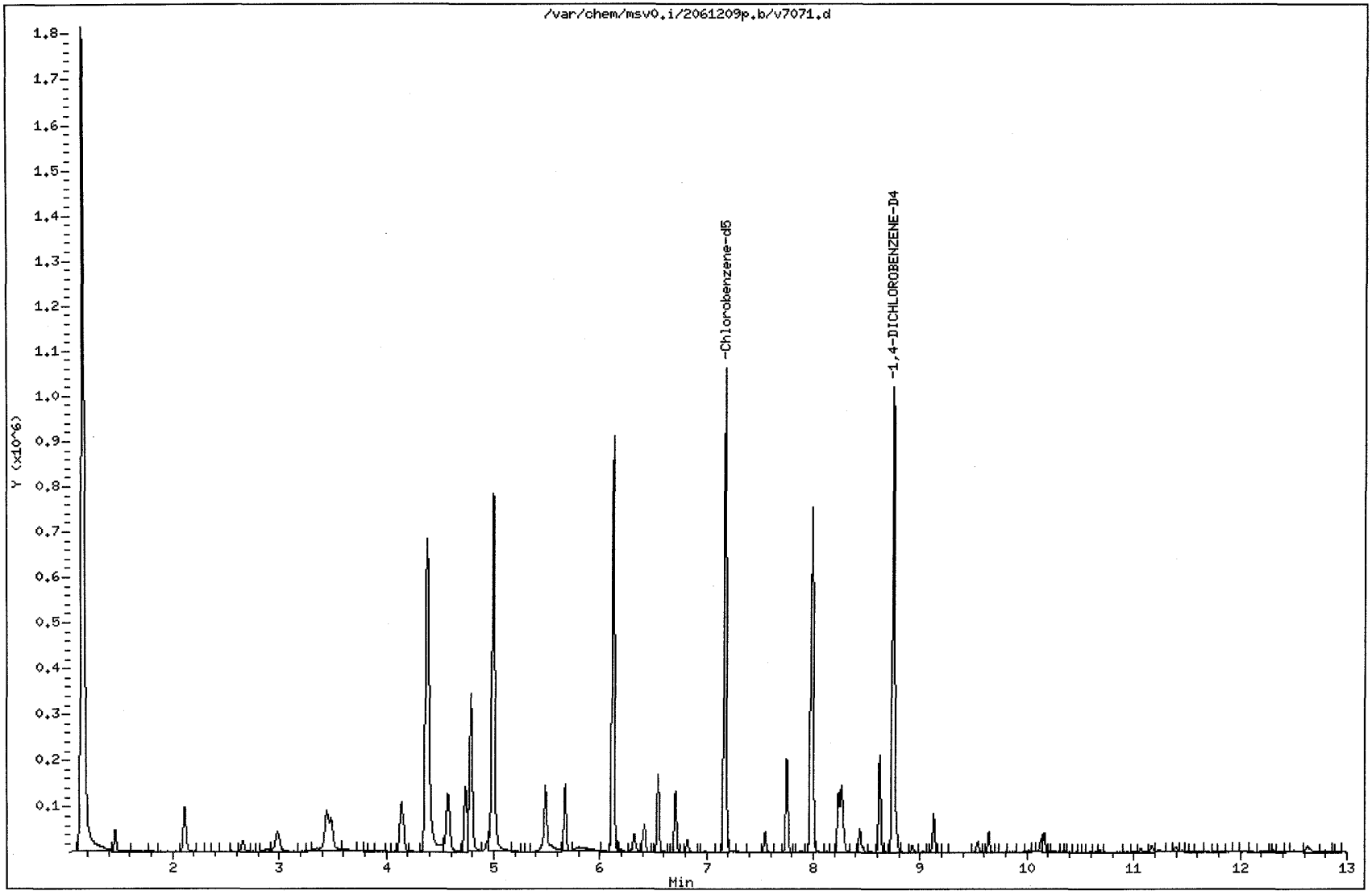
Data File: /var/chem/msv0.i/2061209p.b/v7071.d
Date : 09-DEC-2006 22:03
Client ID: V0APP9STD010
Sample Info: 1207*V0APP9STD010

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

V7102000



Report Date: 11-Dec-2006 14:24

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 11-DEC-2006 08:50
Lab File ID: v7121.d Init. Cal. Date(s): 01-DEC-2006 09-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 08:09 23:25
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2061211.b/8260Bs0c.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 1,3 Butadiene	0.16472	0.21837	0.21837	0.100	32.56990	30.00000	Averaged	<-
8 Ethyl Ether	0.08188	0.11367	0.11367	0.010	38.82826	40.00000	Averaged	
15 Allyl Chloride	50.18391	50.00000	0.12806	0.010	0.36781	0.000e+00	Quadratic	<-
17 Acetonitrile	++++	0.03302	0.03302	0.010	++++	40.00000	Averaged	<-
19 tert-butyl alcohol	++++	0.04677	0.04677	0.005	++++	40.00000	Averaged	<-
25 Isopropyl Ether	1.07827	0.60070	0.60070	0.100	-44.29053	40.00000	Averaged	<-
28 Chloroprene	0.35225	0.20732	0.20732	0.010	-41.14476	40.00000	Averaged	<-
32 Ethyl Acetate	0.79275	0.89069	0.89069	0.100	12.35394	40.00000	Averaged	
33 Proprionitrile	0.14506	0.00911	0.00911	0.010	-93.72178	40.00000	Averaged	<-
35 2-Butanol	++++	0.30035	0.30035	0.001	++++	40.00000	Averaged	<-
36 Tetrahydrofuran	0.38591	0.45499	0.45499	0.100	17.90111	40.00000	Averaged	
37 Methylacrylonitrile	0.49428	0.63242	0.63242	0.100	27.94643	40.00000	Averaged	
45 Isobutyl Alcohol	++++	0.03171	0.03171	0.001	++++	40.00000	Averaged	<-
44 2-2-4 trimethyl Pentane	1.07004	1.37121	1.37121	0.100	28.14583	40.00000	Averaged	
51 N-Butyl Alcohol	0.06401	0.08278	0.08278	0.001	29.31985	40.00000	Averaged	
56 2,3-Dichloro-1-propene	0.47848	0.58583	0.58583	0.100	22.43518	40.00000	Averaged	
57 Methyl Methacrylate	0.36339	0.66206	0.66206	0.100	82.18796	40.00000	Averaged	<-
59 1,4-Dioxane	1428	1250	0.01129	0.001	14.26075	0.000e+00	Linear	<-
63 1-Nitropropane	0.23661	0.33576	0.33576	0.001	41.90264	40.00000	Averaged	<-
73 Ethyl Methacrylate	1.26231	1.00503	1.00503	0.100	-20.38228	40.00000	Averaged	
74 2-Nitroprpoane	0.31328	0.50732	0.50732	0.001	61.93585	40.00000	Averaged	<-
97 1-5 Cyclooctadiene	0.93972	0.32601	0.32601	0.100	-65.30763	40.00000	Averaged	<-
100 Cyclohexanone	1.90092	0.06586	0.06586	0.100	-96.53533	40.00000	Averaged	<-
111 Pentachloroethane	0.16914	0.30279	0.30279	0.050	79.01283	40.00000	Averaged	<-
122 Benzal chloride	++++	++++	0.00000	0.005	++++	40.00000	Averaged	<-

000268A

GCAL, Inc.

Data file : /var/chem/msv0.i/2061211.b/v7121.d
Lab Smp Id: 1400 Client Smp ID: V0A9STD050
Inj Date : 11-DEC-2006 08:50
Operator : KCB Inst ID: msv0.i
Smp Info : 1400*V0A9STD050*5-56-10
Misc Info : MSV~96009~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Meth Date : 11-Dec-2006 14:24 ajv Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 3 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.461	1.461	(0.292)	123358	50.0000	66.3	9375
8	Ethyl Ether	59	2.116	2.116	(0.423)	321052	250.000	347	9447
15	Allyl Chloride	39	2.666	2.666	(0.533)	72341	50.0000	50.2	9297
17	Acetonitrile	41	2.666	2.666	(0.533)	93264	250.000		6082(a)
25	Isopropyl Ether	45	3.448	3.448	(0.689)	339330	50.0000	27.9	9190
28	Chloroprene	53	3.494	3.494	(0.698)	117112	50.0000	29.4	8644
32	Ethyl Acetate	43	4.375	4.375	(0.874)	2515719	250.000	281	7764
33	Proprionitrile	54	4.156	4.156	(0.831)	25723	250.000	15.7	3024
36	Tetrahydrofuran	42	4.388	4.388	(0.877)	1285113	250.000	295	6622
37	Methylacrylonitrile	41	4.739	4.739	(0.947)	357247	50.0000	64.0	5694
44	2-2-4 trimethyl Pentane	57	4.580	4.580	(0.915)	774585	50.0000	64.1	8570
* 49	FLUOROBENZENE	96	5.004	5.004	(1.000)	564892	50.0000		9664
51	N-Butyl Alcohol	56	5.514	5.514	(1.102)	233799	250.000	323	7068

000268B

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
56	2,3-Dichloro-1-propene	75	5.494	5.494	(1.098)	330928	50.0000	61.2	9606
57	Methyl Methacrylate	69	6.554	6.554	(1.310)	373991	50.0000	91.1	7883
59	1,4-Dioxane	58	5.885	5.885	(1.176)	159469	1250.00	1430	5663
63	1-Nitropropane	43	6.329	6.329	(1.265)	189668	50.0000	71.0	9103
73	Ethyl Methacrylate	41	4.580	4.580	(0.639)	265184	50.0000	39.8	3817
74	2-Nitroprpoane	43	6.825	6.825	(0.952)	133860	50.0000	81.0	5377(H)
* 85	Chlorobenzene-d5	82	7.170	7.170	(1.000)	263858	50.0000		2883
97	1-5 Cyclooctadiene	67	8.627	8.627	(1.203)	86021	50.0000	17.3	3660
100	Cyclohexanone	55	6.554	6.554	(0.749)	13558	50.0000	1.73	3787(a)
111	Pentachloroethane	167	8.448	8.448	(0.965)	62332	50.0000	89.5	8944
* 115	1,4-DICHLOROBENZENE-D4	152	8.753	8.753	(1.000)	205859	50.0000		3607

QC Flag Legend

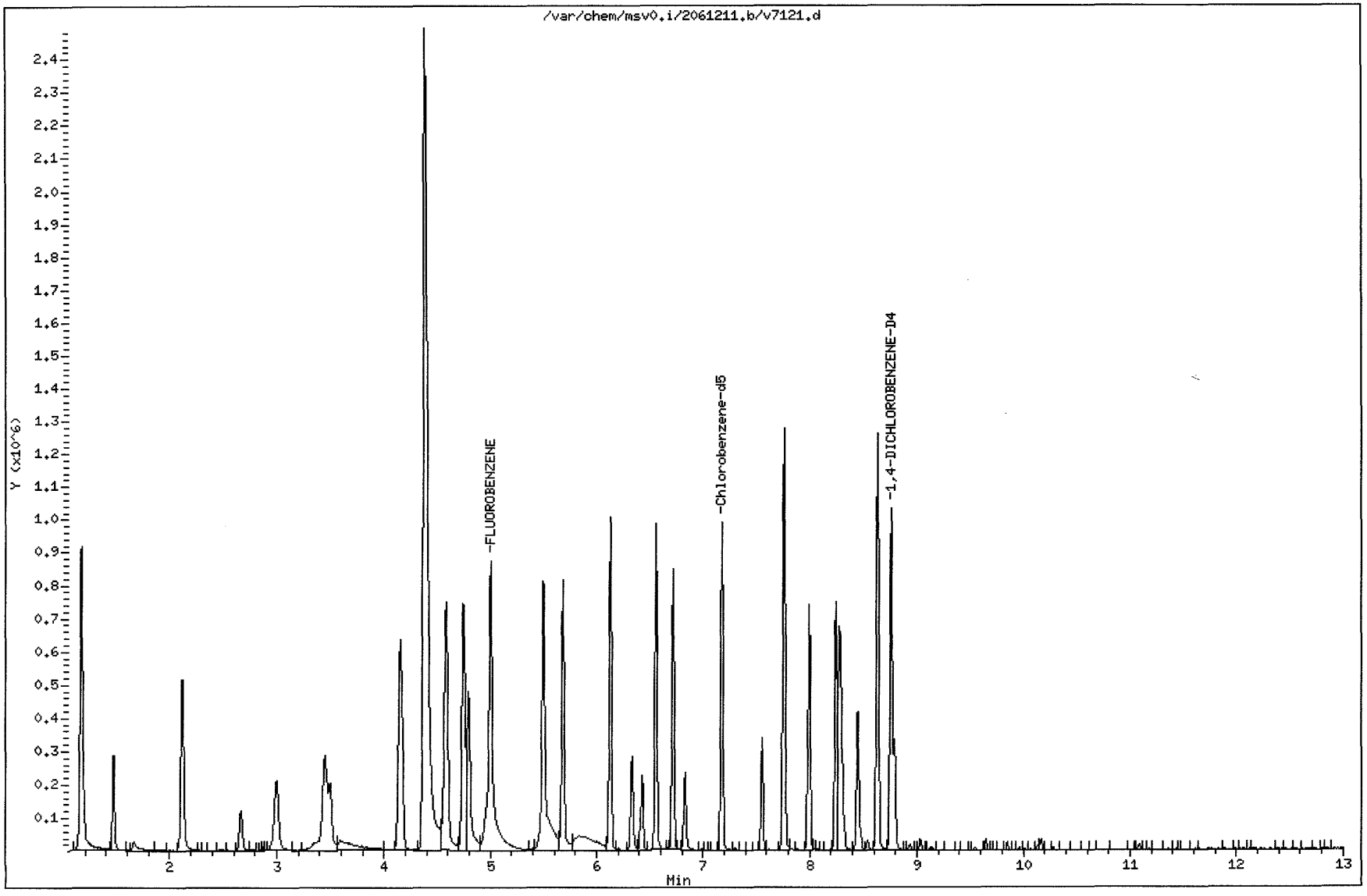
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
H - Operator selected an alternate compound hit.

000268C

Data File: /var/chem/msv0.i/2061211.b/v7121.d
Date : 11-DEC-2006 08:50
Client ID: V0A9STD050
Sample Info: 1400*V0A9STD050*5-56-10

Instrument: msv0.i
Operator: KCB
Column diameter: 0.53

Column phase: DB-624-30M



0002689

034288

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 10-DEC-2006 12:18
Lab File ID: v7084.d Init. Cal. Date(s): 01-DEC-2006 09-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 08:09 23:25
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2061210.b/8260Bs0c.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
3 1,3 Butadiene	0.16472	0.19661	0.19661	0.100	19.35927	30.00000	Averaged	
8 Ethyl Ether	0.08188	0.09264	0.09264	0.010	13.14976	40.00000	Averaged	
15 Allyl Chloride	47.52928	50.00000	0.12324	0.010	-4.94143	0.000e+00	Quadratic	<-
17 Acetonitrile	++++	0.03224	0.03224	0.010	++++	40.00000	Averaged	<-
19 tert-butyl alcohol	++++	0.14344	0.14344	0.005	++++	40.00000	Averaged	<-
25 Isopropyl Ether	1.07827	0.60589	0.60589	0.100	-43.80924	40.00000	Averaged	<-
28 Chloroprene	0.35225	0.22401	0.22401	0.010	-36.40644	40.00000	Averaged	
32 Ethyl Acetate	0.79275	0.81569	0.81569	0.100	2.89302	40.00000	Averaged	
33 Proprionitrile	0.14506	0.00775	0.00775	0.010	-94.65548	40.00000	Averaged	<-
35 2-Butanol	++++	0.30294	0.30294	0.001	++++	40.00000	Averaged	<-
36 Tetrahydrofuran	0.38591	0.40802	0.40802	0.100	5.72959	40.00000	Averaged	
37 Methylacrylonitrile	0.49428	0.55761	0.55761	0.100	12.81203	40.00000	Averaged	
45 Isobutyl Alcohol	++++	0.02228	0.02228	0.001	++++	40.00000	Averaged	<-
44 2-2-4 trimethyl Pentane	1.07004	1.34993	1.34993	0.100	26.15734	40.00000	Averaged	
51 N-Butyl Alcohol	0.06401	0.07783	0.07783	0.001	21.59173	40.00000	Averaged	
56 2,3-Dichloro-1-propene	0.47848	0.54999	0.54999	0.100	14.94499	40.00000	Averaged	
57 Methyl Methacrylate	0.36339	0.65756	0.65756	0.100	80.94982	40.00000	Averaged	<-
59 1,4-Dioxane	1437	1250	0.01136	0.001	14.92851	0.000e+00	Linear	<-
63 1-Nitropropane	0.23661	0.28577	0.28577	0.001	20.77745	40.00000	Averaged	
73 Ethyl Methacrylate	1.26231	0.95414	0.95414	0.100	-24.41325	40.00000	Averaged	
74 2-Nitroprpoane	0.31328	0.08143	0.08143	0.001	-74.00600	40.00000	Averaged	<-
97 1-5 Cyclooctadiene	0.93972	0.02025	0.02025	0.100	-97.84464	40.00000	Averaged	<-
100 Cyclohexanone	1.90092	0.06768	0.06768	0.100	-96.43949	40.00000	Averaged	<-
111 Pentachloroethane	0.16914	0.23445	0.23445	0.050	38.60893	40.00000	Averaged	
122 Benzal chloride	++++	++++	0.00000	0.005	++++	40.00000	Averaged	<-

000268E

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7084.d
Lab Smp Id: 1400 Client Smp ID: V0A9STD050
Inj Date : 10-DEC-2006 12:18
Operator : KCB Inst ID: msv0.i
Smp Info : 1400*V0A9STD050*5-56-10
Misc Info : MSV~9605~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 13:22 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 4 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: APP9.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
3	1,3 Butadiene	39	1.463	1.463	(0.293)	113117	50.0000	59.7	9381
8	Ethyl Ether	59	2.112	2.112	(0.422)	266502	250.000	283	9391
15	Allyl Chloride	39	2.662	2.662	(0.532)	70904	50.0000	47.5	0(M1)
25	Isopropyl Ether	45	3.444	3.444	(0.689)	348584	50.0000	28.1	9141
28	Chloroprene	53	3.497	3.497	(0.699)	128878	50.0000	31.8	8441
32	Ethyl Acetate	43	4.371	4.371	(0.874)	2346438	250.000	257	0(M1)
33	Proprionitrile	54	4.146	4.146	(0.829)	22302	250.000	13.4	2949
35	2-Butanol	45	3.444	3.444	(0.689)	348584	100.000		9141(a)
36	Tetrahydrofuran	42	4.384	4.384	(0.877)	1173733	250.000	264	6344
37	Methylacrylonitrile	41	4.742	4.742	(0.948)	320808	50.0000	56.4	5662
44	2-2-4 trimethyl Pentane	57	4.576	4.576	(0.915)	776652	50.0000	63.1	8533
* 49	FLUOROBENZENE	96	5.000	5.000	(1.000)	575327	50.0000		9694
51	N-Butyl Alcohol	56	5.517	5.517	(1.103)	223888	250.000	304	8054

000268F

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
56 2,3-Dichloro-1-propene	75	5.497	5.497	(1.099)	316422	50.0000	57.5	9533
57 Methyl Methacrylate	69	6.550	6.550	(1.310)	378311	50.0000	90.5	7872
59 1,4-Dioxane	58	5.854	5.854	(1.171)	163418	1250.00	1440	5821
63 1-Nitropropane	43	6.325	6.325	(1.265)	164414	50.0000	60.4	9131
73 Ethyl Methacrylate	41	4.576	4.576	(0.638)	244725	50.0000	37.8	3746
74 2-Nitroprpoane	43	6.556	6.556	(0.914)	20887	50.0000	13.0	9252
* 85 Chlorobenzene-d5	82	7.172	7.172	(1.000)	256487	50.0000		2814
97 1-5 Cyclooctadiene	67	8.471	8.471	(1.181)	5195	50.0000	1.08	5781(a)
100 Cyclohexanone	55	6.550	6.550	(0.749)	13788	50.0000	1.78	3761(a)
111 Pentachloroethane	167	8.444	8.444	(0.965)	47761	50.0000	69.3	8951
* 115 1,4-DICHLOROBENZENE-D4	152	8.749	8.749	(1.000)	203716	50.0000		3613

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.

0002686

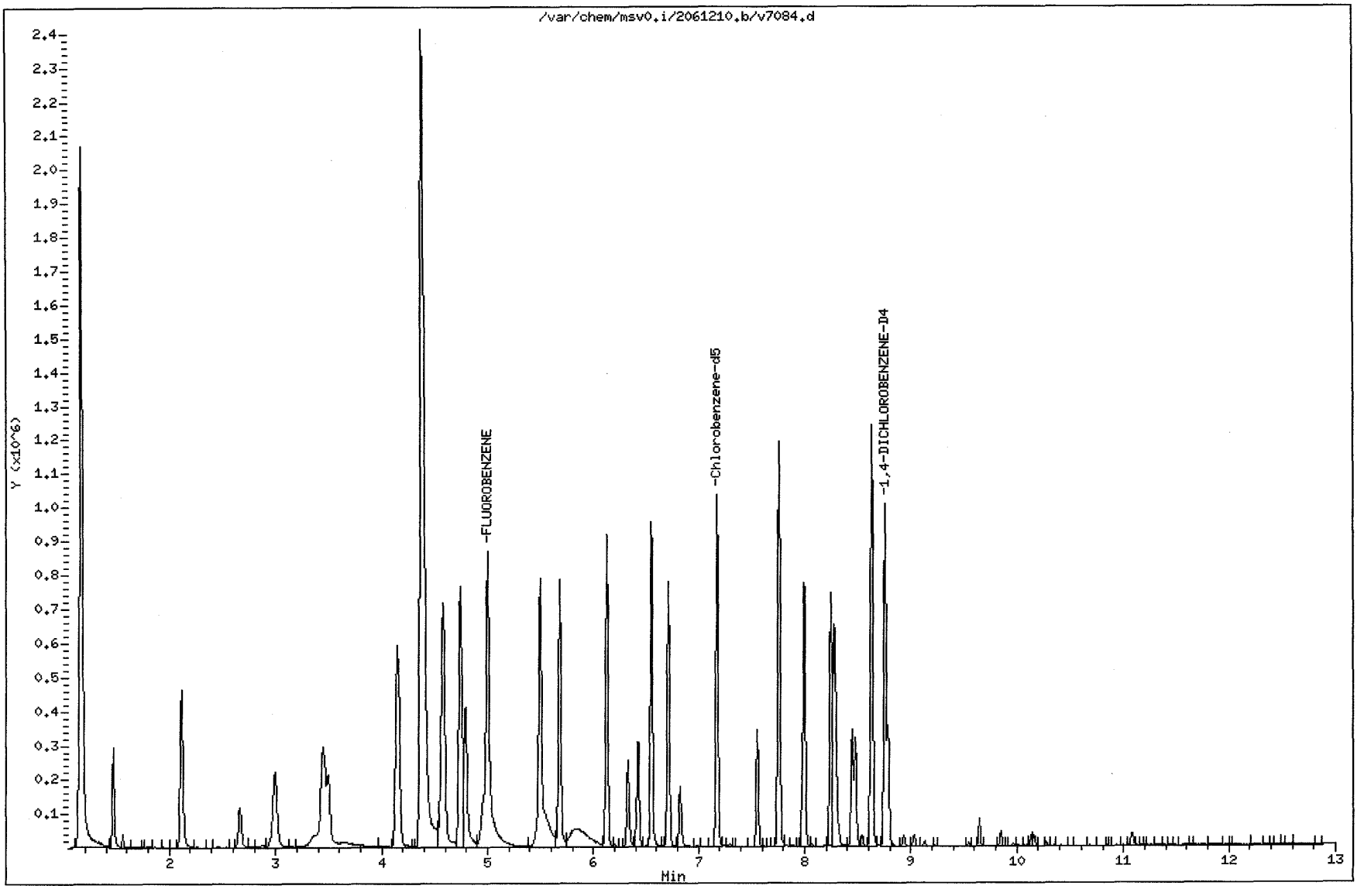
034291

Data File: /var/chem/msv0.i/2061210.b/v7084.d
Date : 10-DEC-2006 12:18
Client ID: V0A9STD050
Sample Info: 1400*V0A9STD050*5-56-10

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53



000268H

034292

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6801.d
Lab Smp Id: 1000 Client Smp ID: V0BFB01
Inj Date : 01-DEC-2006 07:19
Operator : VWM Inst ID: msv0.i
Smp Info : 1000*V0BFB01
Misc Info : MSV~9549~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061201.b/bfb0.m
Meth Date : 03-Oct-2006 19:21 rjo 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		
7.995	8.200	(0.000)	95	171648			100.00- 100.00	100.00
7.995	8.200	(0.000)	50	40333			15.00- 40.00	23.50
7.995	8.200	(0.000)	75	80048			30.00- 60.00	46.63
7.995	8.200	(0.000)	96	11546			5.00- 9.00	6.73
7.995	8.200	(0.000)	173	0			0.00- 2.00	0.00
7.995	8.200	(0.000)	174	123869			50.00- 120.00	72.16
7.995	8.200	(0.000)	175	8920			5.00- 9.00	7.20
7.995	8.200	(0.000)	176	118608			95.00- 101.00	95.75
7.995	8.200	(0.000)	177	7825			5.00- 9.00	6.60

000208

034293

Data File: /var/chem/msv0.i/2061201.b/v6801.d

Date : 01-DEC-2006 07:19

Client ID: V0BFB01

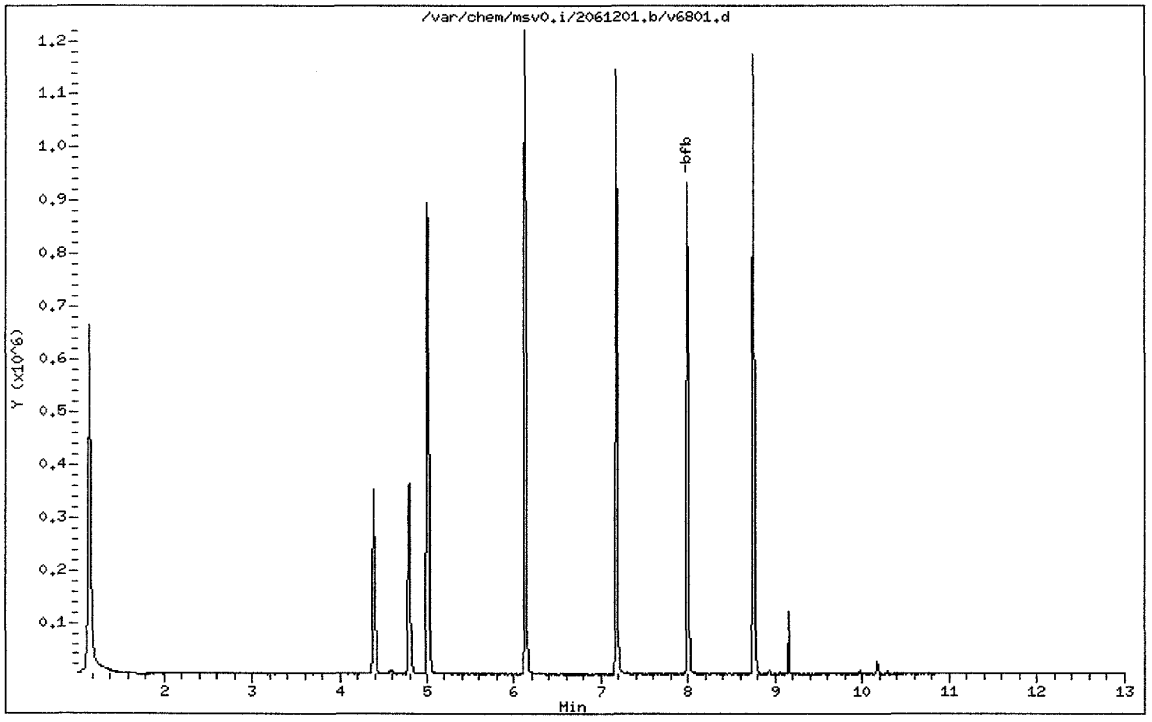
Instrument: msv0.i

Sample Info: 1000*V0BFB01

Operator: VWM

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061201.b/v6801.d

Date : 01-DEC-2006 07:19

Client ID: V0BFB01

Instrument: msv0.i

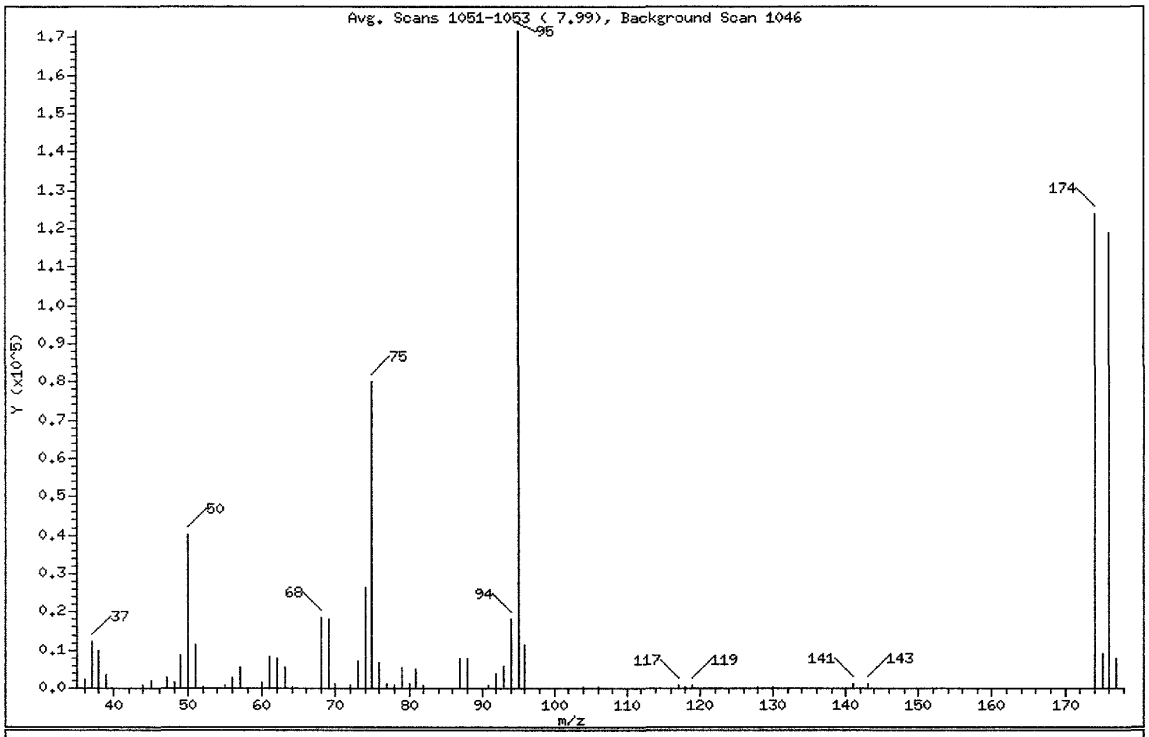
Sample Info: 1000*V0BFB01

Operator: VWM

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	23.50
75	30.00 - 60.00% of mass 95	46.63
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	72.16
175	5.00 - 9.00% of mass 174	5.20 (7.20)
176	95.00 - 101.00% of mass 174	69.10 (95.75)
177	5.00 - 9.00% of mass 176	4.56 (6.60)

Data File: /var/chem/msv0.i/2061201.b/v6801.d

Date : 01-DEC-2006 07:19

Client ID: V0BFB01 Instrument: msv0.i

Sample Info: 1000*V0BFB01

Operator: VWM

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

Data File: v6801.d
Spectrum: Avg. Scans 1051-1053 (7.99), Background Scan 1046
Location of Maximum: 95.00
Number of points: 57

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	2562	60.00	1753	78.00	833	116.00	197
37.00	12094	61.00	8312	79.00	5631	117.00	926
38.00	9788	62.00	7816	80.00	1279	118.00	392
39.00	3681	63.00	5582	81.00	5304	119.00	703
44.00	719	64.00	543	82.00	972	128.00	291
45.00	1788	67.00	157	87.00	7866	130.00	418
47.00	2809	68.00	18536	88.00	8085	141.00	1057
48.00	1421	69.00	18008	91.00	644	143.00	1105
49.00	8652	70.00	1272	92.00	3976	174.00	123864
50.00	40328	72.00	948	93.00	5962	175.00	8920
51.00	11339	73.00	7079	94.00	17968	176.00	118608
52.00	365	74.00	26256	95.00	171648	177.00	7825
55.00	627	75.00	80048	96.00	11546		
56.00	2750	76.00	6600	104.00	471		
57.00	5346	77.00	1062	106.00	569		

034296

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6802.d
Lab Smp Id: 1202 Client Smp ID: V0STD002
Inj Date : 01-DEC-2006 08:09
Operator : AJV Inst ID: msv0.i
Smp Info : 1206*V0STD002*5-55-6
Misc Info : MSV~9549~*1*VWM
Comment :
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Meth Date : 01-Dec-2006 13:53 ajv Quant Type: ISTD
Cal Date : 01-DEC-2006 08:09 Cal File: v6802.d
Als bottle: 2 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50

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	1.262	1.258	(0.252)	5072	2.00000	2.04	2588
2	Chloromethane ++	50	1.401	1.391	(0.280)	7324	2.00000	4.16	4397
4	Vinyl Chloride +	62	1.454	1.444	(0.291)	4581	2.00000	3.24	4086
5	Bromomethane	94	1.679	1.676	(0.336)	2324	2.00000	2.24	5571
6	Chloroethane	64	1.772	1.768	(0.354)	390	2.00000	1.77	0(M1)
7	Trichlorofluoromethane	101	1.871	1.868	(0.374)	2991	2.00000	5.98	3270
11	1,1-Dichloroethene +	96	2.262	2.252	(0.452)	3217	2.00000	2.73	7822
14	Carbon Disulfide	76	2.282	2.265	(0.456)	17080	2.00000	2.09	7659
9	1,1,2Trichlotrifluoroethane	101	2.308	2.285	(0.461)	3725	2.00000	1.19	6521
13	Methyl Iodide	142	2.381	2.364	(0.476)	3920	2.00000	3.66	4729
10	Acrolein	56	2.553	2.557	(0.510)	3139	10.0000	11.4	4742
18	Methylene Chloride	49	2.772	2.762	(0.554)	20131	2.00000	1.34	8285
12	Acetone	43	2.838	2.855	(0.567)	16187	2.00000	3.43	6863
21	trans-1,2-Dichloroethene	61	2.924	2.914	(0.584)	5317	2.00000	2.16	6857

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Methyl Acetate	43	2.957	2.974	(0.591)	11823	2.00000	2.03	4621(M1)
	23 Hexane	57	3.004	2.994	(0.600)	6079	2.00000	2.66	7440(M2)
	20 MTBE	73	3.057	3.060	(0.611)	12634	2.00000	2.11	7415
	26 1,1-Dichloroethane ++	63	3.520	3.517	(0.704)	12125	2.00000	2.00	7643
	22 Acrylonitrile	53	3.587	3.590	(0.717)	27912	10.0000	8.95	9144
	27 Vinyl Acetate	43	3.785	3.782	(0.756)	9525	2.00000	1.84	
	30 cis-1,2-Dichloroethene	61	4.004	4.000	(0.800)	11260	2.00000	2.07	8236
	29 2,2-Dichloropropane	77	4.090	4.086	(0.817)	8772	2.00000	2.05	7961
	39 Cyclohexane	56	4.156	4.153	(0.831)	12161	2.00000	2.04	9057
	34 Bromochloromethane	128	4.169	4.166	(0.833)	3769	2.00000	1.80	9041
	38 Chloroform +	83	4.242	4.239	(0.848)	13005	2.00000	2.13	8379
	42 Carbon Tetrachloride	117	4.335	4.332	(0.866)	7826	2.00000	2.04	7370
$	41 Dibromofluoromethane	111	4.388	4.385	(0.877)	11708	2.00000	2.54	7925
	40 1,1,1-Trichloroethane	97	4.395	4.391	(0.878)	7736	2.00000	1.87	8249
	43 1,1-Dichloropropene	75	4.494	4.490	(0.898)	9430	2.00000	2.04	7772
	31 2-Butanone	43	4.500	4.510	(0.899)	23216	2.00000	2.27	
	46 Benzene	78	4.686	4.683	(0.936)	31176	2.00000	2.21	9368
$	47 1,2-Dichloroethane-d4	67	4.799	4.789	(0.959)	7696	2.00000	2.78	8845
	48 1,2-Dichloroethane	62	4.845	4.841	(0.968)	12072	2.00000	2.12	8483
*	49 FLUOROBENZENE	96	5.004	5.000	(1.000)	636202	50.0000		9801
	52 Methyl cyclohexane	83	5.116	5.113	(1.022)	9866	2.00000	1.88	8690
	50 Trichloroethene	130	5.136	5.126	(1.026)	7399	2.00000	1.98	8967
	58 Dibromomethane	93	5.434	5.431	(1.086)	5836	2.00000	1.79	8447
	54 1,2-Dichloropropane +	63	5.507	5.504	(1.101)	8916	2.00000	1.99	9101
	61 Bromodichloromethane	83	5.560	5.557	(1.111)	9415	2.00000	1.87	8661
	64 1-Bromo-2-chloroethane	63	5.891	5.888	(1.177)	14782	2.00000	1.92	7816
	62 2-Chloroethyl vinyl ether	63	5.964	5.961	(1.192)	6051	2.00000	1.52	8658
	65 cis-1,3-Dichloropropene	75	6.004	6.001	(1.200)	13606	2.00000	1.95	
$	67 Toluene-d8	98	6.130	6.126	(0.854)	32245	2.00000	2.44	9348
	68 Toluene +	91	6.163	6.159	(0.859)	36119	2.00000	2.41	9466
	66 4-methyl-2-pentanone	43	6.428	6.424	(1.285)	26768	2.00000	2.00	
	78 Tetrachloroethene	164	6.428	6.424	(0.896)	4958	2.00000	1.97	9169
	71 trans-1,3-Dichloropropene	75	6.448	6.444	(0.898)	12520	2.00000	1.96	
	76 1,1,2-Trichloroethane	97	6.554	6.557	(0.913)	7367	2.00000	1.86	8532
	81 Dibromochloromethane	129	6.679	6.676	(0.931)	7876	2.00000	1.79	8784
	79 1,3-Dichloropropane	76	6.739	6.736	(0.939)	14506	2.00000	2.05	8969
	83 1,2-Dibromoethane(EDB)	107	6.838	6.835	(0.953)	9215	2.00000	1.93	7969
	80 2-Hexanone	43	6.984	6.981	(0.973)	24022	2.00000	1.97	8852
	84 1-Chlorohexane	91	7.170	7.166	(1.433)	10377	2.00000	1.87	0(M2)
*	85 Chlorobenzene-d5	82	7.176	7.173	(1.000)	278591	50.0000		3191
	86 Chlorobenzene ++	112	7.189	7.186	(1.002)	20690	2.00000	2.14	3431
	87 Ethylbenzene +	106	7.203	7.199	(1.004)	10083	2.00000	2.11	9081
	89 1,1,1,2-Tetrachloroethane	133	7.229	7.232	(1.007)	6539	2.00000	2.07	8388
M	75 Total 1,2-Dichloroethene	61				16577	4.00000	4.23	0
	90 p,m-Xylene	106	7.295	7.299	(1.017)	25089	4.00000	4.30	9667
M	77 1-3 Dichloropropene-Total	100				26126	4.00000	3.91	0
	91 o-Xylene	106	7.587	7.583	(1.057)	11989	2.00000	2.02	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
92	Styrene	104	7.620	7.623	(1.062)	20952	2.00000	1.98	9391
95	Bromoform ++	173	7.653	7.650	(1.066)	5185	2.00000	1.73	0(M1)
96	Isopropylbenzene	105	7.799	7.795	(1.087)	27161	2.00000	1.98	9444
$ 98	Bromofluorobenzene	174	7.997	7.994	(1.114)	7720	2.00000	2.13	8996
102	Bromobenzene	77	8.070	8.067	(0.922)	16379	2.00000	2.17	9270
103	n-Propylbenzene	91	8.077	8.074	(0.923)	37778	2.00000	2.14	8811
101	1,1,2,2-Tetrachloroethane++	83	8.123	8.120	(0.928)	14267	2.00000	2.05	0(M1)
105	2-Chlorotoluene	91	8.190	8.186	(0.936)	25696	2.00000	2.15	8805
107	1,3,5-Trimethylbenzene	105	8.203	8.199	(0.937)	24520	2.00000	2.09	
104	1,2,3-Trichloropropane	75	8.223	8.219	(0.939)	16812	2.00000	2.04	9143
106	trans-1,4-Dichloro-2-Butene	53	8.243	8.239	(0.942)	4173	2.00000	2.19	8222
108	4-Chlorotoluene	91	8.302	8.299	(0.949)	24432	2.00000	2.23	9331
109	tert-butylbenzene	91	8.428	8.425	(0.963)	16431	2.00000	2.25	9293
110	1,2,4-Trimethylbenzene	105	8.468	8.471	(0.967)	25954	2.00000	2.14	
112	sec-Butylbenzene	105	8.547	8.544	(0.977)	30588	2.00000	1.98	
113	p-Isopropyltoluene	119	8.640	8.636	(0.987)	24406	2.00000	1.98	9454
114	1,3-Dichlorobenzene	146	8.706	8.703	(0.995)	14540	2.00000	2.21	
* 115	1,4-DICHLOROBENZENE-D4	152	8.752	8.756	(1.000)	222648	50.0000		3741
117	1,4-Dichlorobenzene	146	8.766	8.762	(1.002)	16369	2.00000	2.32	
119	n-Butylbenzene	91	8.918	8.921	(1.019)	25347	2.00000	2.03	9079
120	1,2-Dichlorobenzene	146	9.044	9.047	(1.033)	14926	2.00000	2.25	
121	1,2-Dibromo-3-Chloropropane	157	9.554	9.550	(1.092)	2804	2.00000	1.60	0(M1)
124	Hexachlorobutadiene	225	9.945	9.935	(1.136)	3504	2.00000	1.87	0(M1)
123	1,2,4-Trichlorobenzene	180	9.971	9.961	(1.139)	8277	2.00000	2.04	
125	Napthalene	128	10.170	10.160	(1.162)	38285	2.00000	2.32	8269
126	1,2,3-Trichlorobenzene	180	10.282	10.272	(1.175)	8470	2.00000	2.10	
M 127	TOTAL XYLENE	106				37078	6.00000	6.31	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.

034299

Data File: /var/chem/msv0.i/2061201.b/v6802.d

Date : 01-DEC-2006 08:09

Client ID: VOSTD002

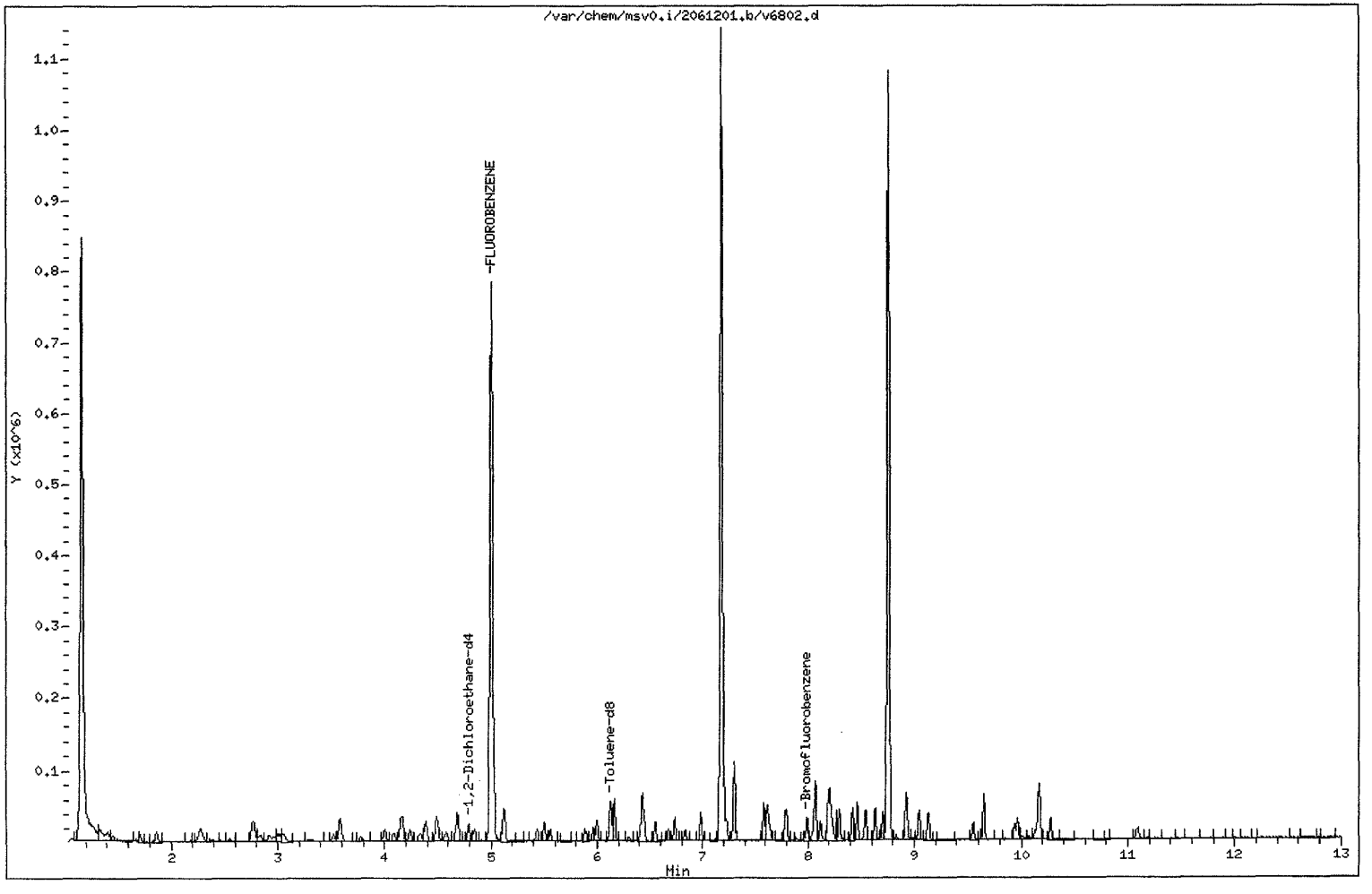
Sample Info: 1206%VOSTD002%5-55-6

Column phase: DB-624-30M

Instrument: msv0.i

Operator: AJV

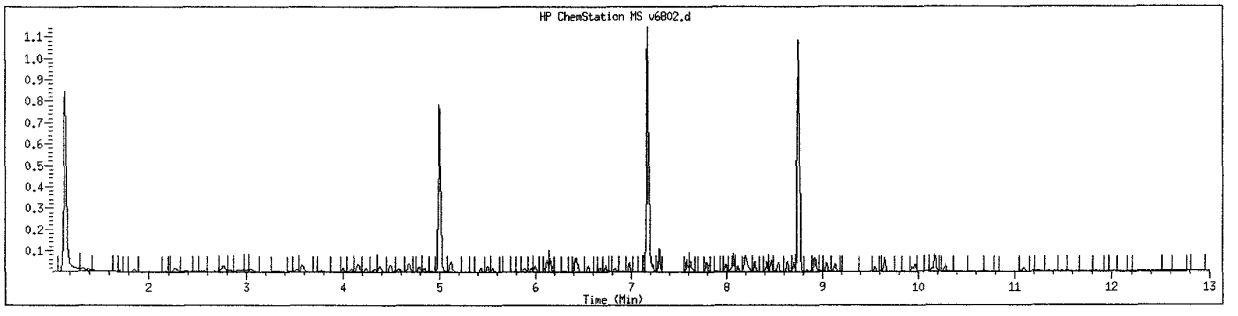
Column diameter: 0.53



Data file : /var/chem/msv0.i/2061201.b/v6802.d Page: 1
Report Date: 12/01/2006 14:30

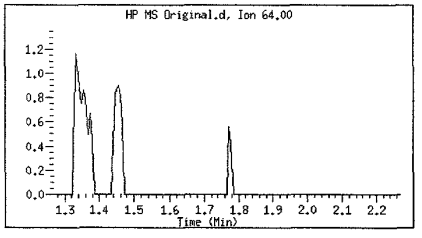
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1202 SampleType : CALIB_6
Injection Date: 01-DEC-2006 08:09 Instrument : msv0.i
Operator : AJV
Sample Info : 1206*V0STD002*5-55-6
Misc Info : MSV~9549~*1*VWM
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



Original Final

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



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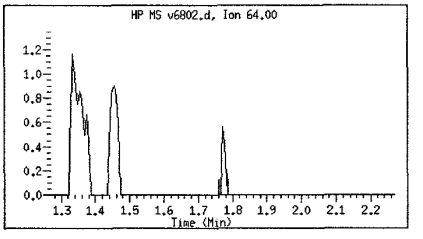
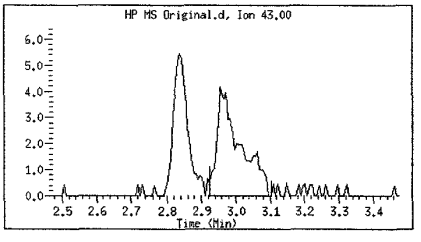
User: ajv
Date: 01-Dec-2006 09:58



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



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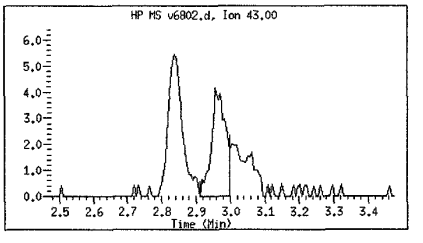
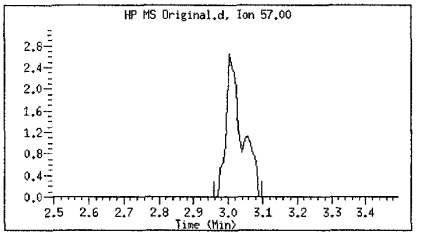


000216

034301

Original Final

23 Hexane CAS#: 110-54-3 Reason: M2



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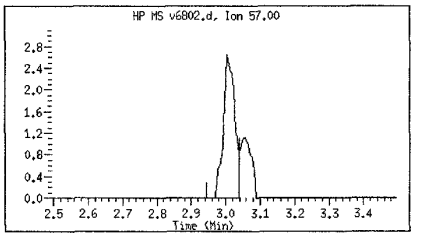
User: ajv
Date: 01-Dec-2006 09:56



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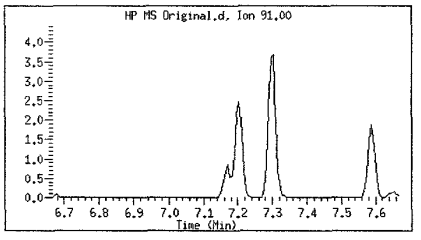
84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



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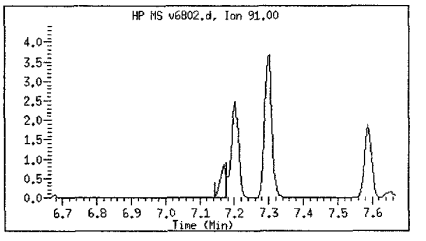

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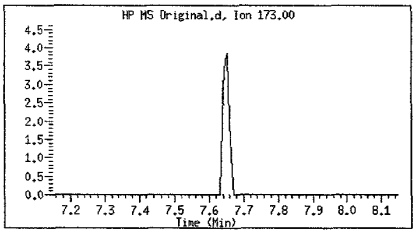
95 Bromoform ++ CAS#: 75-25-2 Reason: M1



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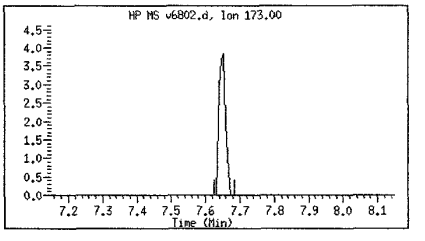
User: ajv
Date: 01-Dec-2006 09:57



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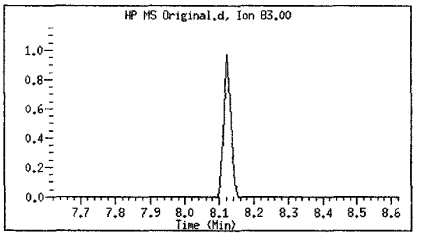
101 1,1,2,2-Tetrachloroethane++ CAS#: 79-34-5 Reason: M1



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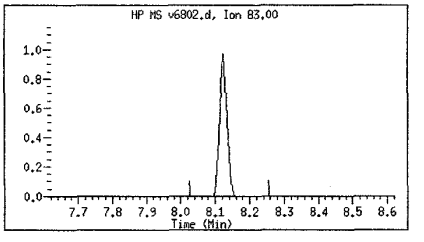
Date: 01-Dec-2006 09:58



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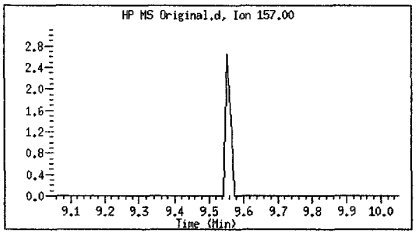
121 1,2-Dibromo-3-Chloropropane CAS#: 96-12-8 Reason: M1



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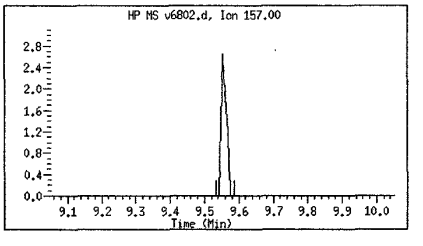
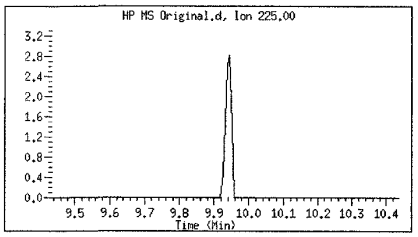
Date: 01-Dec-2006 09:58



034302

Original Final

124 Hexachlorobutadiene CAS#: 87-68-3 Reason: M1



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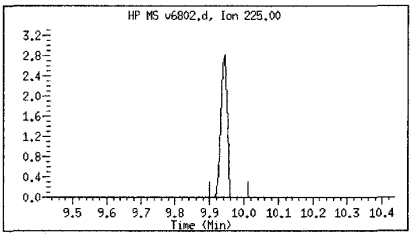
User: ajv
Date: 01-Dec-2006 09:59



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

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6803.d
Lab Smp Id: 1201 Client Smp ID: V0STD005
Inj Date : 01-DEC-2006 08:29
Operator : AJV Inst ID: msv0.i
Smp Info : 1201*V0STD005*5-55-6
Misc Info : MSV~9549~*1*VWM
Comment :
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Meth Date : 01-Dec-2006 13:53 ajv Quant Type: ISTD
Cal Date : 01-DEC-2006 08:29 Cal File: v6803.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50

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	1.265	1.258	(0.253)	11244	5.00000	5.06	4446
2 Chloromethane ++	50	1.397	1.391	(0.279)	8534	5.00000	5.42	5247
4 Vinyl Chloride +	62	1.450	1.444	(0.290)	6427	5.00000	5.09	5043
5 Bromomethane	94	1.682	1.676	(0.336)	4702	5.00000	5.06	6292
6 Chloroethane	64	1.768	1.768	(0.353)	1458	5.00000	3.58	0(M2)
7 Trichlorofluoromethane	101	1.867	1.868	(0.373)	3252	5.00000	6.25	5944
11 1,1-Dichloroethene +	96	2.258	2.252	(0.451)	6471	5.00000	6.15	7993
14 Carbon Disulfide	76	2.272	2.265	(0.454)	29477	5.00000	5.67	8726
9 1,1,2Trichlotrifluoroethane	101	2.298	2.285	(0.459)	8343	5.00000	5.24	8099
13 Methyl Iodide	142	2.371	2.364	(0.474)	8321	5.00000	5.88	7160
10 Acrolein	56	2.563	2.557	(0.512)	6268	25.0000	25.4	6062
18 Methylene Chloride	49	2.768	2.762	(0.553)	23968	5.00000	4.26	8741
12 Acetone	43	2.854	2.855	(0.570)	21145	5.00000	5.68	7638
21 trans-1,2-Dichloroethene	61	2.921	2.914	(0.583)	11175	5.00000	5.08	8390

		QUANT SIG					AMOUNTS CAL-AMT	ON-COL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ppb)	SIMILARITY
	16 Methyl Acetate	43	2.967	2.974	(0.593)	29990	5.00000	5.78	5693(M2)
	23 Hexane	57	3.007	2.994	(0.601)	11945	5.00000	5.86	7979(M2)
	20 MTBE	73	3.066	3.060	(0.612)	26262	5.00000	4.90	8448
	26 1,1-Dichloroethane ++	63	3.517	3.517	(0.702)	27673	5.00000	5.10	8746
	22 Acrylonitrile	53	3.589	3.590	(0.717)	68267	25.0000	24.5	9571
	27 Vinyl Acetate	43	3.782	3.782	(0.755)	22867	5.00000	4.93	
	30 cis-1,2-Dichloroethene	61	4.000	4.000	(0.799)	23804	5.00000	4.90	9131
	29 2,2-Dichloropropane	77	4.086	4.086	(0.816)	19674	5.00000	5.14	9109
	39 Cyclohexane	56	4.159	4.153	(0.831)	27810	5.00000	5.21	8940
	34 Bromochloromethane	128	4.166	4.166	(0.832)	9557	5.00000	5.11	9537
	38 Chloroform +	83	4.239	4.239	(0.847)	26744	5.00000	4.89	9029
	42 Carbon Tetrachloride	117	4.331	4.332	(0.865)	15967	5.00000	4.66	8659
$	41 Dibromofluoromethane	111	4.384	4.385	(0.876)	21960	5.00000	5.33	9228
	40 1,1,1-Trichloroethane	97	4.391	4.391	(0.877)	18246	5.00000	4.93	9111
	43 1,1-Dichloropropene	75	4.490	4.490	(0.897)	21203	5.00000	5.14	8890
	31 2-Butanone	43	4.503	4.510	(0.899)	46861	5.00000	5.14	
	46 Benzene	78	4.689	4.683	(0.936)	65198	5.00000	5.16	9629
$	47 1,2-Dichloroethane-d4	67	4.795	4.789	(0.958)	14293	5.00000	5.78	9177
	48 1,2-Dichloroethane	62	4.848	4.841	(0.968)	25499	5.00000	5.01	9217
*	49 FLUOROBENZENE	96	5.007	5.000	(1.000)	568549	50.0000		9758
	52 Methyl cyclohexane	83	5.113	5.113	(1.021)	24118	5.00000	5.14	8517
	50 Trichloroethene	130	5.126	5.126	(1.024)	16946	5.00000	5.07	9077
	58 Dibromomethane	93	5.437	5.431	(1.086)	13985	5.00000	4.81	9082
	54 1,2-Dichloropropane +	63	5.510	5.504	(1.101)	20610	5.00000	5.16	9508
	61 Bromodichloromethane	83	5.557	5.557	(1.110)	21740	5.00000	4.82	9022
	64 1-Bromo-2-chloroethane	63	5.888	5.888	(1.176)	34446	5.00000	5.00	8878
	62 2-Chloroethyl vinyl ether	63	5.961	5.961	(1.190)	17520	5.00000	4.91	9300
	65 cis-1,3-Dichloropropene	75	6.000	6.001	(1.198)	31189	5.00000	5.01	
$	67 Toluene-d8	98	6.126	6.126	(0.854)	66195	5.00000	5.46	9748
	68 Toluene +	91	6.159	6.159	(0.859)	71772	5.00000	5.22	9682
	66 4-methyl-2-pentanone	43	6.424	6.424	(1.283)	59877	5.00000	5.00	
	78 Tetrachloroethene	164	6.424	6.424	(0.896)	11498	5.00000	5.00	9189
	71 trans-1,3-Dichloropropene	75	6.444	6.444	(0.898)	28950	5.00000	4.94	
	76 1,1,2-Trichloroethane	97	6.557	6.557	(0.914)	17673	5.00000	4.87	9454
	81 Dibromochloromethane	129	6.676	6.676	(0.931)	19128	5.00000	4.75	9230
	79 1,3-Dichloropropane	76	6.735	6.736	(0.939)	31618	5.00000	4.88	9549
	83 1,2-Dibromoethane(EDB)	107	6.835	6.835	(0.953)	20322	5.00000	4.65	8734
	80 2-Hexanone	43	6.980	6.981	(0.973)	52785	5.00000	4.73	9303
	84 1-Chlorohexane	91	7.166	7.166	(1.431)	25830	5.00000	5.20	0(M1)
*	85 Chlorobenzene-d5	82	7.173	7.173	(1.000)	255344	50.0000		3745
	86 Chlorobenzene ++	112	7.186	7.186	(1.002)	44893	5.00000	5.06	4290
	87 Ethylbenzene +	106	7.199	7.199	(1.004)	21849	5.00000	5.00	9481
	89 1,1,1,2-Tetrachloroethane	133	7.226	7.232	(1.007)	14033	5.00000	4.85	9018
M	75 Total 1,2-Dichloroethene	61				34979	10.0000	9.99	0
	90 p,m-Xylene	106	7.298	7.299	(1.018)	53989	10.0000	10.1	9761
M	77 1-3 Dichloropropene-Total	100				60139	10.0000	9.95	0
	91 o-Xylene	106	7.583	7.583	(1.057)	27403	5.00000	5.03	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	7.623	7.623	(1.063)	48673	5.00000	5.02	9676
95	Bromoform ++	173	7.649	7.650	(1.066)	12702	5.00000	4.63	9165
96	Isopropylbenzene	105	7.795	7.795	(1.087)	62422	5.00000	4.97	9705
$ 98	Bromofluorobenzene	174	7.994	7.994	(1.114)	15997	5.00000	4.82	9093
102	Bromobenzene	77	8.067	8.067	(0.921)	35017	5.00000	5.06	9158
103	n-Propylbenzene	91	8.073	8.074	(0.922)	82813	5.00000	5.12	9115
101	1,1,2,2-Tetrachloroethane++	83	8.120	8.120	(0.927)	31926	5.00000	5.02	9226
105	2-Chlorotoluene	91	8.186	8.186	(0.935)	57141	5.00000	5.24	8352
107	1,3,5-Trimethylbenzene	105	8.199	8.199	(0.936)	55250	5.00000	5.16	
104	1,2,3-Trichloropropane	75	8.219	8.219	(0.939)	38504	5.00000	5.12	9218
106	trans-1,4-Dichloro-2-Butene	53	8.239	8.239	(0.941)	7798	5.00000	4.48	8993
108	4-Chlorotoluene	91	8.298	8.299	(0.948)	51746	5.00000	5.16	9570
109	tert-butylbenzene	91	8.424	8.425	(0.962)	30284	5.00000	4.53	9505
110	1,2,4-Trimethylbenzene	105	8.471	8.471	(0.967)	57278	5.00000	5.17	
112	sec-Butylbenzene	105	8.543	8.544	(0.976)	72121	5.00000	5.11	
113	p-Isopropyltoluene	119	8.636	8.636	(0.986)	56769	5.00000	5.04	9451
114	1,3-Dichlorobenzene	146	8.702	8.703	(0.994)	30872	5.00000	5.14	
* 115	1,4-DICHLOROBENZENE-D4	152	8.755	8.756	(1.000)	203634	50.0000		4219
117	1,4-Dichlorobenzene	146	8.762	8.762	(1.001)	33124	5.00000	5.13	
119	n-Butylbenzene	91	8.921	8.921	(1.019)	57710	5.00000	5.06	9383
120	1,2-Dichlorobenzene	146	9.047	9.047	(1.033)	30897	5.00000	5.10	
121	1,2-Dibromo-3-Chloropropane	157	9.557	9.550	(1.092)	6944	5.00000	4.33	8393
124	Hexachlorobutadiene	225	9.934	9.935	(1.135)	8727	5.00000	5.09	8781
123	1,2,4-Trichlorobenzene	180	9.967	9.961	(1.138)	18796	5.00000	5.05	
125	Napthalene	128	10.166	10.160	(1.161)	75085	5.00000	4.98	8675
126	1,2,3-Trichlorobenzene	180	10.279	10.272	(1.174)	18469	5.00000	5.00	
M 127	TOTAL XYLENE	106				81392	15.0000	15.1	0

QC Flag Legend

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

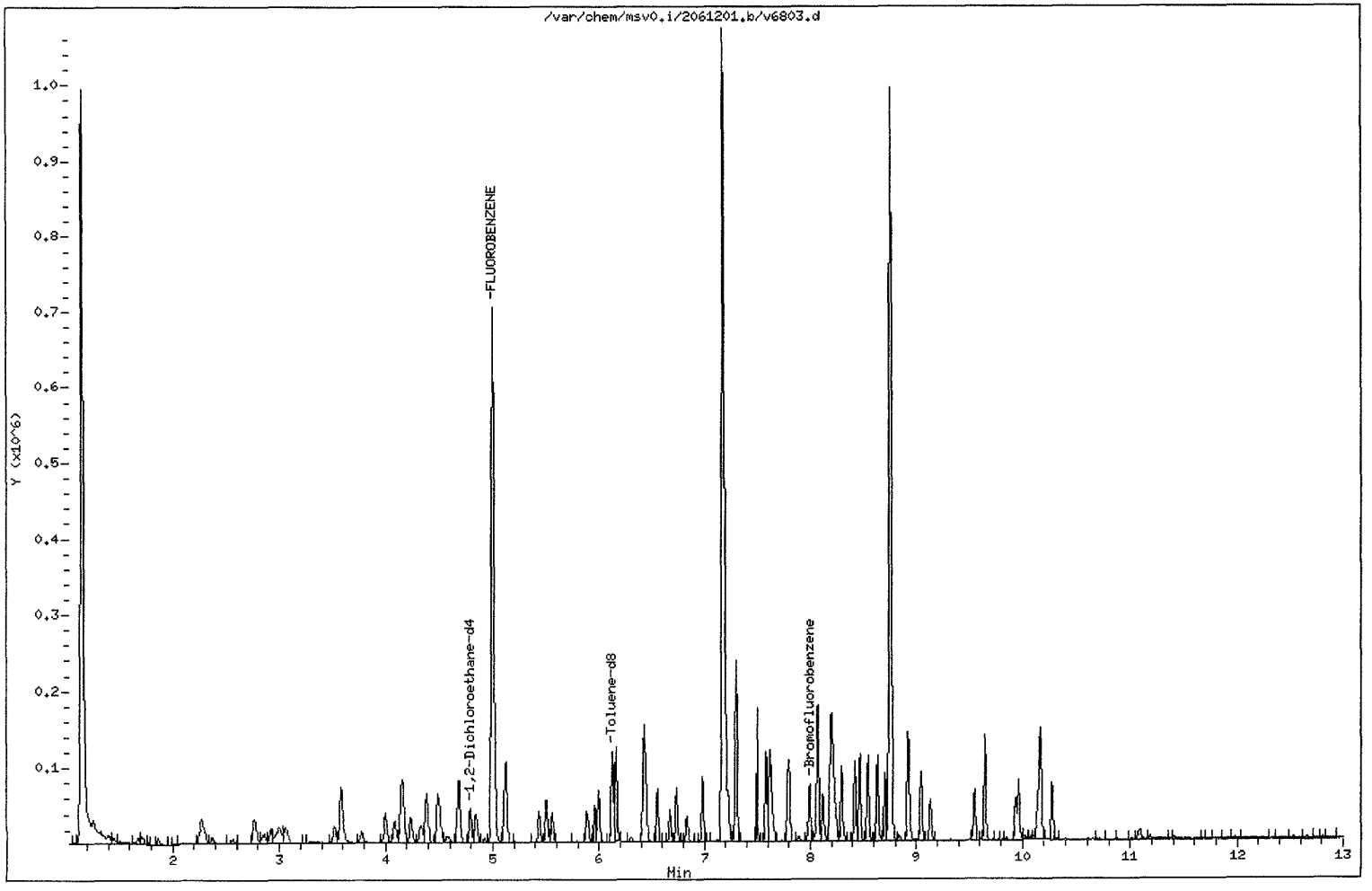
034306

Data File: /var/chem/msv0.i/2061201.b/v6803.d
Date : 01-DEC-2006 08:29
Client ID: V0STD005
Sample Info: 1201*V0STD005*5-55-6

Column phase: DB-624-30M

Instrument: msv0.i

Operator: AJV
Column diameter: 0.53

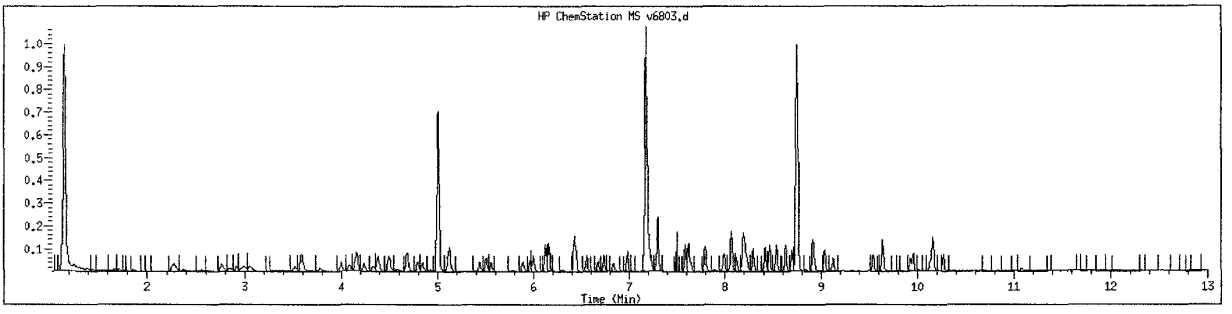


034307

Data file : /var/chem/msv0.i/2061201.b/v6803.d Page: 1
Report Date: 12/01/2006 14:30

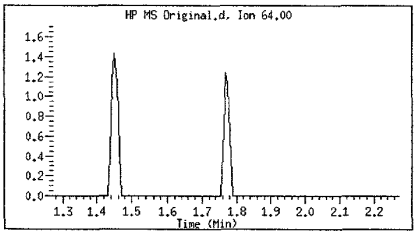
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 01-DEC-2006 08:29 Instrument : msv0.i
Operator : AJV
Sample Info : 1201*V0STD005*5-55-6
Misc Info : MSV~9549~*1*VWM
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



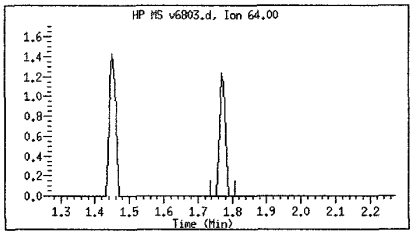
Original Final

6 Chloroethane CAS#: 75-00-3 Reason: M2

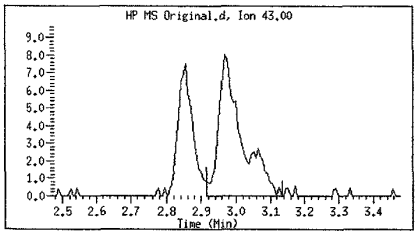


Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:18

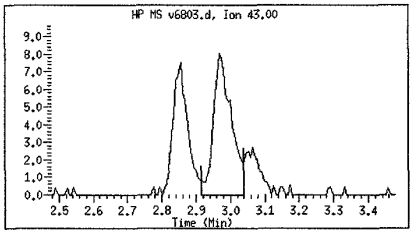


16 Methyl Acetate CAS#: 79-20-9 Reason: M2



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:19

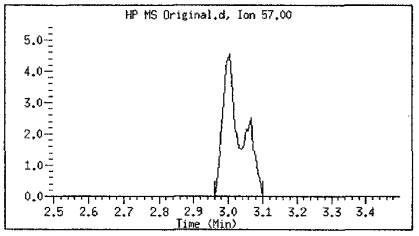


000223

034308

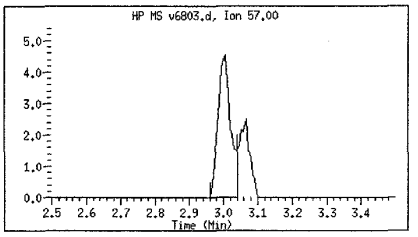
Original Final

23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:22



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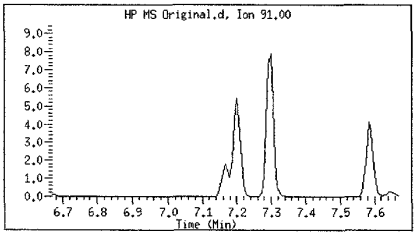
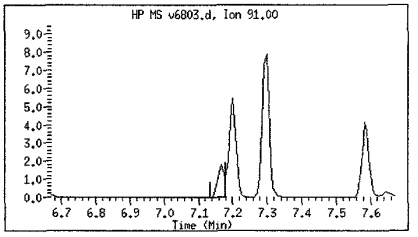
84 1-Chlorohexane CAS#: 544-10-5 Reason: M1



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:22



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

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6804.d
Lab Smp Id: 1207 Client Smp ID: V0STD010
Inj Date : 01-DEC-2006 08:49
Operator : AJV Inst ID: msv0.i
Smp Info : 1207*V0STD010*5-55-6
Misc Info : MSV~9549~*1*VWM
Comment :
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Meth Date : 01-Dec-2006 13:53 ajv Quant Type: ISTD
Cal Date : 01-DEC-2006 08:49 Cal File: v6804.d
Als bottle: 4 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50

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	1.262	1.258	(0.252)	21598	10.0000	9.82	5999
2 Chloromethane ++	50	1.394	1.391	(0.279)	15473	10.0000	9.94	6558
4 Vinyl Chloride +	62	1.447	1.444	(0.289)	11460	10.0000	9.17	6970
5 Bromomethane	94	1.672	1.676	(0.334)	7388	10.0000	8.04	7663
6 Chloroethane	64	1.765	1.768	(0.353)	5166	10.0000	9.71	6303
7 Trichlorofluoromethane	101	1.864	1.868	(0.373)	13893	10.0000	11.4	5723(H)
11 1,1-Dichloroethene +	96	2.248	2.252	(0.449)	8392	10.0000	8.06	8409
14 Carbon Disulfide	76	2.268	2.265	(0.453)	32939	10.0000	6.63	9289
9 1,1,2Trichlotrifluoroethane	101	2.282	2.285	(0.456)	10391	10.0000	6.98	7696
13 Methyl Iodide	142	2.368	2.364	(0.473)	12146	10.0000	7.71	7855
10 Acrolein	56	2.560	2.557	(0.512)	9753	50.0000	40.0	7165
18 Methylene Chloride	49	2.765	2.762	(0.553)	32572	10.0000	8.64	8842
12 Acetone	43	2.884	2.855	(0.576)	29823	10.0000	8.81	7713
21 trans-1,2-Dichloroethene	61	2.911	2.914	(0.582)	19687	10.0000	9.05	8324

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Methyl Acetate	43	2.977	2.974	(0.595)	57547	10.0000	11.2	8877
	23 Hexane	57	2.997	2.994	(0.599)	18643	10.0000	9.24	9069
	20 MTBE	73	3.063	3.060	(0.612)	51840	10.0000	9.78	9256
	26 1,1-Dichloroethane ++	63	3.520	3.517	(0.704)	50560	10.0000	9.41	9008
	22 Acrylonitrile	53	3.599	3.590	(0.719)	149980	50.0000	54.4	9703
	27 Vinyl Acetate	43	3.785	3.782	(0.756)	43223	10.0000	9.42	
	30 cis-1,2-Dichloroethene	61	3.997	4.000	(0.799)	48329	10.0000	10.1	9390
	29 2,2-Dichloropropane	77	4.083	4.086	(0.816)	36680	10.0000	9.68	9484
	39 Cyclohexane	56	4.149	4.153	(0.829)	53485	10.0000	10.1	9478
	34 Bromochloromethane	128	4.162	4.166	(0.832)	18602	10.0000	10.1	9648
	38 Chloroform +	83	4.235	4.239	(0.846)	55077	10.0000	10.2	9235
	42 Carbon Tetrachloride	117	4.328	4.332	(0.865)	31603	10.0000	9.33	8900
$	41 Dibromofluoromethane	111	4.388	4.385	(0.877)	37497	10.0000	9.20	9578
	40 1,1,1-Trichloroethane	97	4.388	4.391	(0.877)	37520	10.0000	10.3	9347
	43 1,1-Dichloropropene	75	4.487	4.490	(0.897)	40926	10.0000	10.0	7884
	31 2-Butanone	43	4.520	4.510	(0.903)	101943	10.0000	11.3	
	46 Benzene	78	4.679	4.683	(0.935)	124962	10.0000	10.0	9739
$	47 1,2-Dichloroethane-d4	67	4.792	4.789	(0.958)	24603	10.0000	10.0	9517
	48 1,2-Dichloroethane	62	4.845	4.841	(0.968)	51656	10.0000	10.3	9455
*	49 FLUOROBENZENE	96	5.004	5.000	(1.000)	562582	50.0000		9755
	52 Methyl cyclohexane	83	5.116	5.113	(1.022)	45578	10.0000	9.81	9700
	50 Trichloroethene	130	5.129	5.126	(1.025)	35119	10.0000	10.6	9400
	58 Dibromomethane	93	5.434	5.431	(1.086)	30418	10.0000	10.6	9029
	54 1,2-Dichloropropane +	63	5.507	5.504	(1.101)	39795	10.0000	10.1	9604
	61 Bromodichloromethane	83	5.560	5.557	(1.111)	44839	10.0000	10.0	9287
	64 1-Bromo-2-chloroethane	63	5.891	5.888	(1.177)	68906	10.0000	10.1	9508
	62 2-Chloroethyl vinyl ether	63	5.964	5.961	(1.192)	36650	10.0000	10.4	9682
	65 cis-1,3-Dichloropropene	75	5.997	6.001	(1.199)	61590	10.0000	10.0	
$	67 Toluene-d8	98	6.123	6.126	(0.854)	118325	10.0000	9.66	9784
	68 Toluene +	91	6.156	6.159	(0.859)	136704	10.0000	9.83	9742
	66 4-methyl-2-pentanone	43	6.428	6.424	(1.285)	130103	10.0000	11.0	
	78 Tetrachloroethene	164	6.421	6.424	(0.896)	22742	10.0000	9.77	9279
	71 trans-1,3-Dichloropropene	75	6.447	6.444	(0.899)	58739	10.0000	9.91	
	76 1,1,2-Trichloroethane	97	6.553	6.557	(0.914)	35999	10.0000	9.81	9475
	81 Dibromochloromethane	129	6.673	6.676	(0.931)	38794	10.0000	9.52	9391
	79 1,3-Dichloropropane	76	6.739	6.736	(0.940)	64469	10.0000	9.84	9718
	83 1,2-Dibromoethane(EDB)	107	6.832	6.835	(0.953)	43726	10.0000	9.90	9502
	80 2-Hexanone	43	6.984	6.981	(0.974)	118504	10.0000	10.5	9694
	84 1-Chlorohexane	91	7.163	7.166	(1.431)	46317	10.0000	9.43	4403(M2)
*	85 Chlorobenzene-d5	82	7.169	7.173	(1.000)	258265	50.0000		4598
	86 Chlorobenzene ++	112	7.183	7.186	(1.002)	86367	10.0000	9.62	4765
	87 Ethylbenzene +	106	7.196	7.199	(1.004)	42726	10.0000	9.66	9633
	89 1,1,1,2-Tetrachloroethane	133	7.229	7.232	(1.008)	27766	10.0000	9.50	9332
M	75 Total 1,2-Dichloroethene	61				68016	20.0000	19.1	0
	90 p,m-Xylene	106	7.295	7.299	(1.018)	103476	20.0000	19.1	9715
M	77 1-3 Dichloropropene-Total	100				120329	20.0000	19.9	0
	91 o-Xylene	106	7.587	7.583	(1.058)	52337	10.0000	9.49	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
92	Styrene	104	7.620	7.623	(1.063)	95339	10.0000	9.72	9632
95	Bromoform ++	173	7.646	7.650	(1.067)	26238	10.0000	9.45	8827
96	Isopropylbenzene	105	7.792	7.795	(1.087)	121959	10.0000	9.59	9676
$ 98	Bromofluorobenzene	174	7.991	7.994	(1.115)	32765	10.0000	9.76	9112
102	Bromobenzene	77	8.063	8.067	(0.921)	73059	10.0000	10.1	8882
103	n-Propylbenzene	91	8.070	8.074	(0.922)	166382	10.0000	9.81	9396
101	1,1,2,2-Tetrachloroethane++	83	8.123	8.120	(0.928)	61360	10.0000	9.20	9496
105	2-Chlorotoluene	91	8.189	8.186	(0.936)	110231	10.0000	9.63	9466
107	1,3,5-Trimethylbenzene	105	8.203	8.199	(0.937)	108179	10.0000	9.62	
104	1,2,3-Trichloropropane	75	8.222	8.219	(0.939)	82770	10.0000	10.5	9399
106	trans-1,4-Dichloro-2-Butene	53	8.242	8.239	(0.942)	17413	10.0000	9.53	8960
108	4-Chlorotoluene	91	8.295	8.299	(0.948)	103680	10.0000	9.85	9553
109	tert-butylbenzene	91	8.421	8.425	(0.962)	59412	10.0000	8.47	9499
110	1,2,4-Trimethylbenzene	105	8.467	8.471	(0.967)	113061	10.0000	9.73	
112	sec-Butylbenzene	105	8.540	8.544	(0.976)	143593	10.0000	9.70	
113	p-Isopropyltoluene	119	8.633	8.636	(0.986)	112232	10.0000	9.49	9485
114	1,3-Dichlorobenzene	146	8.706	8.703	(0.995)	60498	10.0000	9.59	
* 115	1,4-DICHLOROBENZENE-D4	152	8.752	8.756	(1.000)	213705	50.0000		4474
117	1,4-Dichlorobenzene	146	8.765	8.762	(1.002)	65117	10.0000	9.60	
119	n-Butylbenzene	91	8.918	8.921	(1.019)	114695	10.0000	9.58	9490
120	1,2-Dichlorobenzene	146	9.044	9.047	(1.033)	59743	10.0000	9.40	
121	1,2-Dibromo-3-Chloropropane	157	9.554	9.550	(1.092)	16388	10.0000	9.73	8769
124	Hexachlorobutadiene	225	9.938	9.935	(1.135)	16239	10.0000	9.03	9253
123	1,2,4-Trichlorobenzene	180	9.964	9.961	(1.138)	35804	10.0000	9.17	
125	Napthalene	128	10.163	10.160	(1.161)	152917	10.0000	9.67	9130
126	1,2,3-Trichlorobenzene	180	10.276	10.272	(1.174)	36033	10.0000	9.30	
M 127	TOTAL XYLENE	106				155813	30.0000	28.6	0

QC Flag Legend

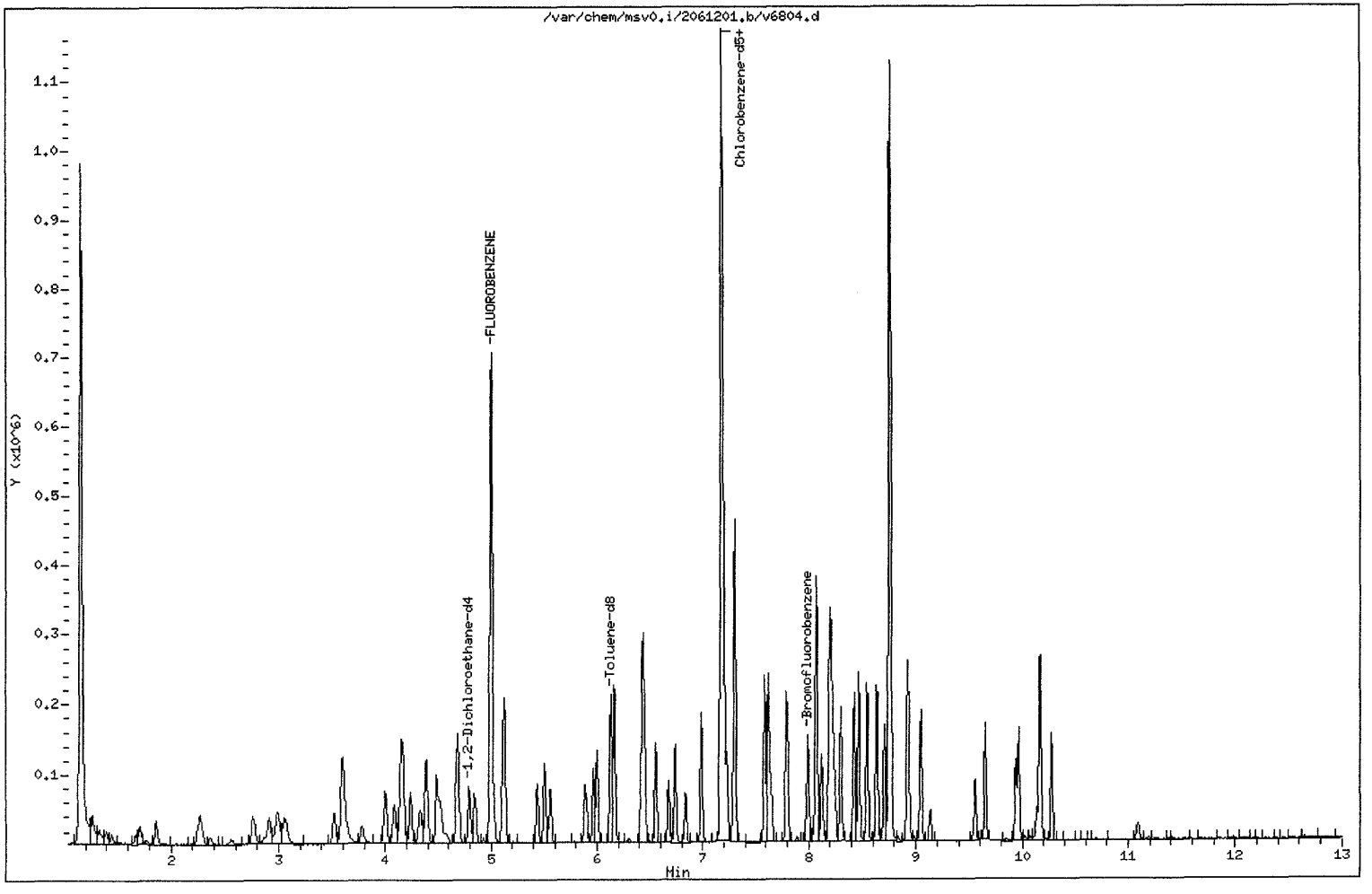
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

Data File: /var/chem/msv0.i/2061201.b/v6804.d
Date : 01-DEC-2006 08:49
Client ID: V0STD010
Sample Info: 1207*V0STD010*5-55-6

Column phase: DB-624-30M

Instrument: msv0.i

Operator: AJV
Column diameter: 0.53

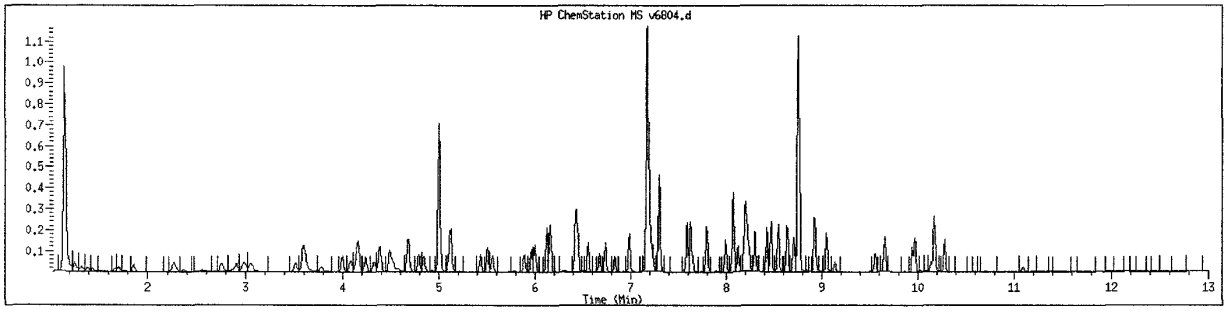


034313

Data file : /var/chem/msv0.i/2061201.b/v6804.d Page: 1
Report Date: 12/01/2006 14:30

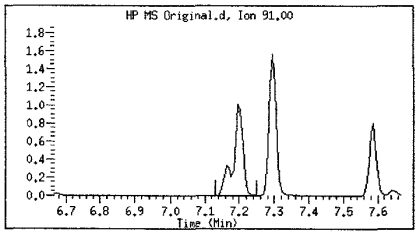
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1207	SampleType	: CALIB_7
Injection Date	: 01-DEC-2006 08:49	Instrument	: msv0.i
Operator	: AJV		
Sample Info	: 1207*V0STD010*5-55-6		
Misc Info	: MSV~9549~*1*VWM		
Method	: /var/chem/msv0.i/2061201.b/8260Bs0.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: 8260b



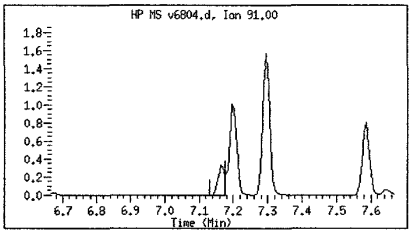
Original Final

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



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:16



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

034314

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6805.d
Lab Smp Id: 1202 Client Smp ID: V0STD020
Inj Date : 01-DEC-2006 09:10
Operator : AJV Inst ID: msv0.i
Smp Info : 1202*V0STD020*5-55-6
Misc Info : MSV~9549~*1*VWM
Comment :
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Meth Date : 01-Dec-2006 13:53 ajv Quant Type: ISTD
Cal Date : 01-DEC-2006 09:10 Cal File: v6805.d
Als bottle: 5 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50

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	1.259	1.258	(0.252)	43631	20.0000	20.2	7483
2 Chloromethane ++	50	1.391	1.391	(0.278)	29838	20.0000	19.5	8153
4 Vinyl Chloride +	62	1.451	1.444	(0.290)	24245	20.0000	19.7	8287
5 Bromomethane	94	1.676	1.676	(0.335)	16484	20.0000	18.2	8780
6 Chloroethane	64	1.775	1.768	(0.355)	12090	20.0000	21.4	7040
7 Trichlorofluoromethane	101	1.868	1.868	(0.374)	27642	20.0000	19.0	8389
11 1,1-Dichloroethene +	96	2.259	2.252	(0.452)	21083	20.0000	20.6	9117
14 Carbon Disulfide	76	2.272	2.265	(0.454)	86483	20.0000	20.6	9156
9 1,1,2Trichlotrifluoroethane	101	2.299	2.285	(0.460)	27800	20.0000	21.5	9023
13 Methyl Iodide	142	2.371	2.364	(0.474)	36939	20.0000	19.5	9189
10 Acrolein	56	2.563	2.557	(0.513)	23176	100.000	96.5	8583
18 Methylene Chloride	49	2.769	2.762	(0.554)	55435	20.0000	20.4	9052
12 Acetone	43	2.881	2.855	(0.576)	48494	20.0000	16.0	8556
21 trans-1,2-Dichloroethene	61	2.921	2.914	(0.584)	43706	20.0000	20.4	9043

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
	16 Methyl Acetate	43	2.987	2.974	(0.597)	100284	20.0000	19.8	9332(M1)
	23 Hexane	57	3.001	2.994	(0.600)	43388	20.0000	21.8	9204(M2)
	20 MTBE	73	3.060	3.060	(0.612)	104551	20.0000	20.0	9452
	26 1,1-Dichloroethane ++	63	3.517	3.517	(0.703)	107931	20.0000	20.4	9518
	22 Acrylonitrile	53	3.597	3.590	(0.719)	277856	100.000	102	9791
	27 Vinyl Acetate	43	3.782	3.782	(0.756)	92494	20.0000	20.5	
	30 cis-1,2-Dichloroethene	61	4.001	4.000	(0.800)	94662	20.0000	20.0	9513
	29 2,2-Dichloropropane	77	4.087	4.086	(0.817)	74457	20.0000	20.0	9633
	39 Cyclohexane	56	4.153	4.153	(0.830)	105503	20.0000	20.3	9658
	34 Bromochloromethane	128	4.166	4.166	(0.833)	37777	20.0000	20.7	9718
	38 Chloroform +	83	4.239	4.239	(0.848)	107969	20.0000	20.3	9422
	42 Carbon Tetrachloride	117	4.332	4.332	(0.866)	75436	20.0000	22.6	9294
$	41 Dibromofluoromethane	111	4.385	4.385	(0.877)	75838	20.0000	18.9	9560
	40 1,1,1-Trichloroethane	97	4.391	4.391	(0.878)	75484	20.0000	21.0	9444
	43 1,1-Dichloropropene	75	4.491	4.490	(0.898)	81458	20.0000	20.3	8437
	31 2-Butanone	43	4.517	4.510	(0.903)	172456	20.0000	19.4	
	46 Benzene	78	4.683	4.683	(0.936)	244727	20.0000	19.9	9853
$	47 1,2-Dichloroethane-d4	67	4.795	4.789	(0.959)	47720	20.0000	19.8	9491
	48 1,2-Dichloroethane	62	4.842	4.841	(0.968)	98897	20.0000	20.0	9598
*	49 FLUOROBENZENE	96	5.001	5.000	(1.000)	553718	50.0000		9824
	52 Methyl cyclohexane	83	5.120	5.113	(1.024)	95301	20.0000	20.8	9696
	50 Trichloroethene	130	5.127	5.126	(1.025)	65209	20.0000	20.0	9072
	58 Dibromomethane	93	5.438	5.431	(1.087)	57938	20.0000	20.5	9315
	54 1,2-Dichloropropane +	63	5.511	5.504	(1.102)	77811	20.0000	20.0	9757
	61 Bromodichloromethane	83	5.557	5.557	(1.111)	91408	20.0000	20.8	9430
	64 1-Bromo-2-chloroethane	63	5.888	5.888	(1.177)	136852	20.0000	20.4	9370
	62 2-Chloroethyl vinyl ether	63	5.961	5.961	(1.192)	71585	20.0000	20.6	9719
	65 cis-1,3-Dichloropropene	75	6.001	6.001	(1.200)	122395	20.0000	20.2	
$	67 Toluene-d8	98	6.127	6.126	(0.854)	224315	20.0000	18.9	9886
	68 Toluene +	91	6.160	6.159	(0.859)	256780	20.0000	19.0	9837
	66 4-methyl-2-pentanone	43	6.425	6.424	(1.285)	242293	20.0000	20.8	
	78 Tetrachloroethene	164	6.425	6.424	(0.896)	44689	20.0000	19.8	9080
	71 trans-1,3-Dichloropropene	75	6.445	6.444	(0.898)	117112	20.0000	20.4	
	76 1,1,2-Trichloroethane	97	6.557	6.557	(0.914)	71354	20.0000	20.1	9539
	81 Dibromochloromethane	129	6.676	6.676	(0.931)	78620	20.0000	19.9	9636
	79 1,3-Dichloropropane	76	6.736	6.736	(0.939)	125394	20.0000	19.7	9658
	83 1,2-Dibromoethane(EDB)	107	6.835	6.835	(0.953)	84123	20.0000	19.6	9656
	80 2-Hexanone	43	6.981	6.981	(0.973)	216838	20.0000	19.8	9775
	84 1-Chlorohexane	91	7.166	7.166	(1.433)	103803	20.0000	21.5	4024(M2)
*	85 Chlorobenzene-d5	82	7.173	7.173	(1.000)	250405	50.0000		5719
	86 Chlorobenzene ++	112	7.186	7.186	(1.002)	171064	20.0000	19.7	7367
	87 Ethylbenzene +	106	7.200	7.199	(1.004)	85909	20.0000	20.0	9398
	89 1,1,1,2-Tetrachloroethane	133	7.226	7.232	(1.007)	54919	20.0000	19.4	9238
M	75 Total 1,2-Dichloroethene	61				138368	40.0000	40.4	0
	90 p,m-Xylene	106	7.299	7.299	(1.018)	209470	40.0000	39.9	9844
M	77 1-3 Dichloropropene-Total	100				239507	40.0000	40.6	0
	91 o-Xylene	106	7.584	7.583	(1.057)	104819	20.0000	19.6	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	7.623	7.623	(1.063)	187896	20.0000	19.8	9760
95	Bromoform ++	173	7.650	7.650	(1.066)	52478	20.0000	19.5	9196
96	Isopropylbenzene	105	7.796	7.795	(1.087)	250658	20.0000	20.3	9696
$ 98	Bromofluorobenzene	174	7.994	7.994	(1.114)	62914	20.0000	19.3	9330
102	Bromobenzene	77	8.067	8.067	(0.922)	140977	20.0000	20.6	9436
103	n-Propylbenzene	91	8.074	8.074	(0.923)	331008	20.0000	20.7	9052
101	1,1,2,2-Tetrachloroethane++	83	8.120	8.120	(0.928)	130295	20.0000	20.7	9394
105	2-Chlorotoluene	91	8.186	8.186	(0.936)	223335	20.0000	20.7	8567
107	1,3,5-Trimethylbenzene	105	8.200	8.199	(0.937)	215742	20.0000	20.4	
104	1,2,3-Trichloropropane	75	8.220	8.219	(0.939)	150064	20.0000	20.2	9322
106	trans-1,4-Dichloro-2-Butene	53	8.239	8.239	(0.942)	40634	20.0000	23.6	9258
108	4-Chlorotoluene	91	8.299	8.299	(0.949)	196342	20.0000	19.8	9581
109	tert-butylbenzene	91	8.418	8.425	(0.962)	147548	20.0000	22.3	9435
110	1,2,4-Trimethylbenzene	105	8.471	8.471	(0.968)	225281	20.0000	20.6	
112	sec-Butylbenzene	105	8.544	8.544	(0.977)	290953	20.0000	20.9	
113	p-Isopropyltoluene	119	8.637	8.636	(0.987)	233937	20.0000	21.0	9577
114	1,3-Dichlorobenzene	146	8.703	8.703	(0.995)	117334	20.0000	19.8	
* 115	1,4-DICHLOROBENZENE-D4	152	8.749	8.756	(1.000)	201223	50.0000		4846
117	1,4-Dichlorobenzene	146	8.763	8.762	(1.002)	127272	20.0000	19.9	
119	n-Butylbenzene	91	8.922	8.921	(1.020)	236615	20.0000	21.0	9663
120	1,2-Dichlorobenzene	146	9.041	9.047	(1.033)	118927	20.0000	19.9	
121	1,2-Dibromo-3-Chloropropane	157	9.551	9.550	(1.092)	32654	20.0000	20.6	8807
124	Hexachlorobutadiene	225	9.935	9.935	(1.135)	35196	20.0000	20.8	9425
123	1,2,4-Trichlorobenzene	180	9.961	9.961	(1.139)	77598	20.0000	21.1	
125	Napthalene	128	10.160	10.160	(1.161)	307423	20.0000	20.6	9379
126	1,2,3-Trichlorobenzene	180	10.273	10.272	(1.174)	77359	20.0000	21.2	
M 127	TOTAL XYLENE	106				314289	60.0000	59.5	0

QC Flag Legend

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

Data File: /var/chem/msv0.i/2061201.b/v6805.d

Date : 01-DEC-2006 09:10

Client ID: VOSTD020

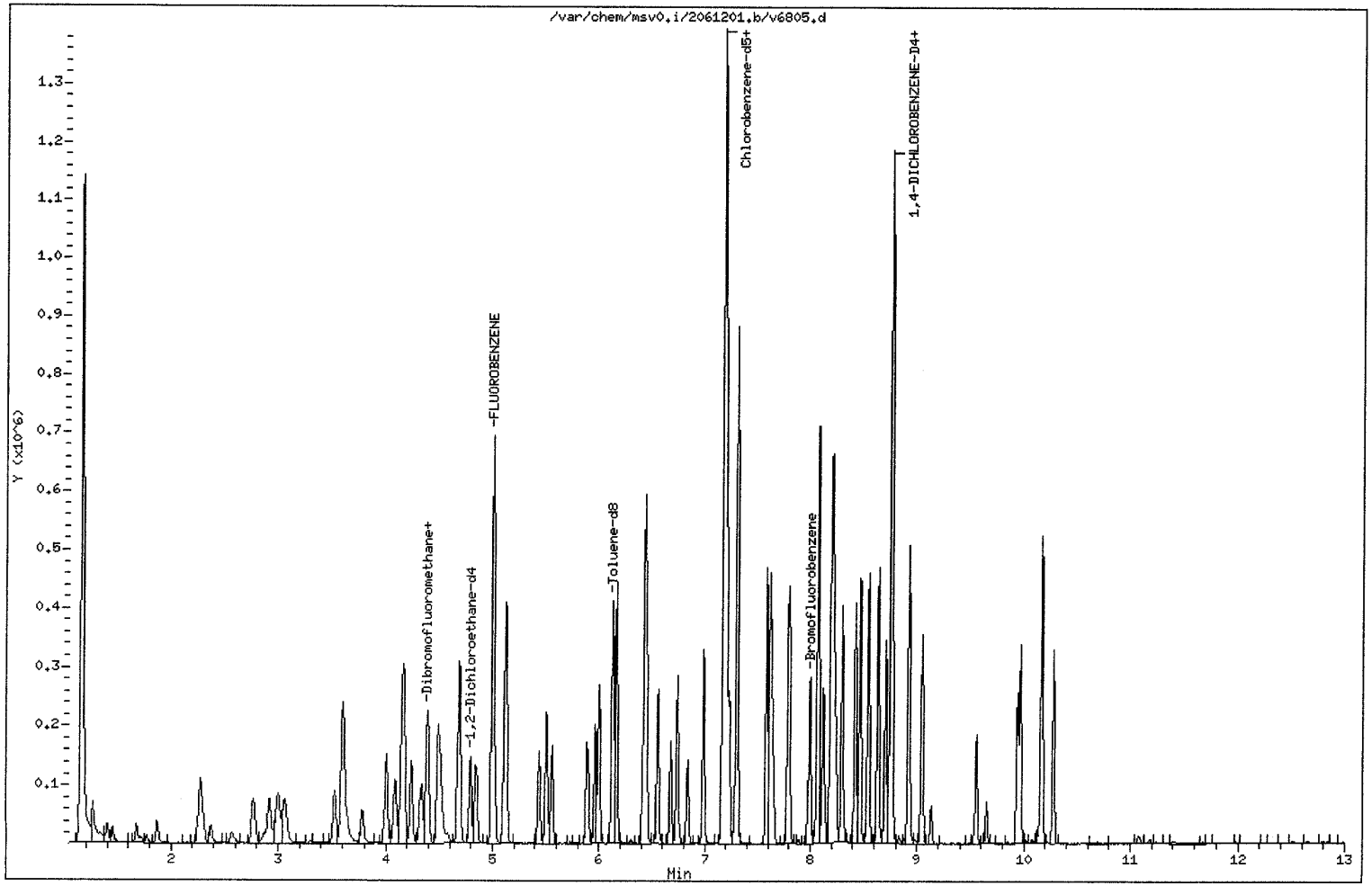
Sample Info: 1202*VOSTD020*5-55-6

Column phase: DB-624-30M

Instrument: msv0.i

Operator: AJV

Column diameter: 0.53

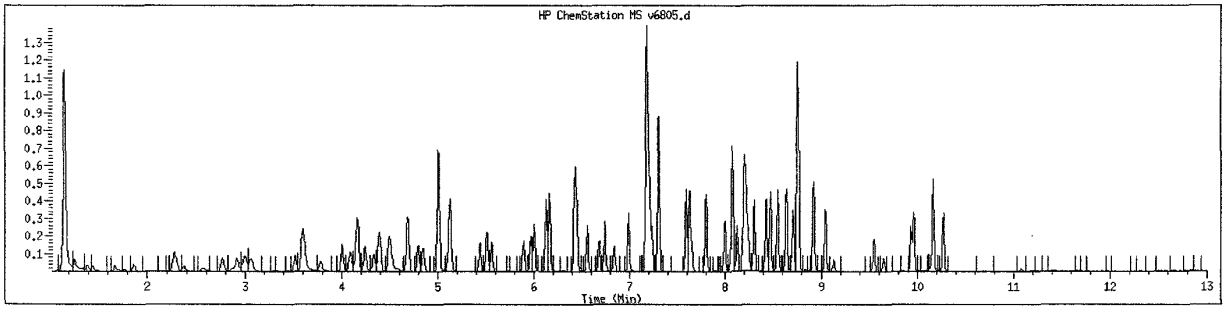


034318

Data file : /var/chem/msv0.i/2061201.b/v6805.d Page: 1
Report Date: 12/01/2006 14:30

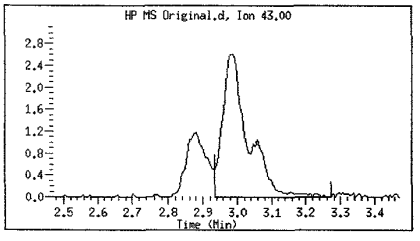
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1202 SampleType : CALIB_2
Injection Date: 01-DEC-2006 09:10 Instrument : msv0.i
Operator : AJV
Sample Info : 1202*V0STD020*5-55-6
Misc Info : MSV~9549~*1*VWM
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



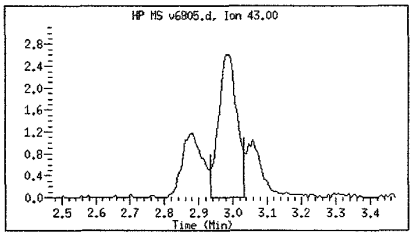
Original Final

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

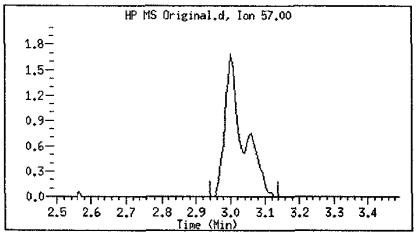


Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 09:29

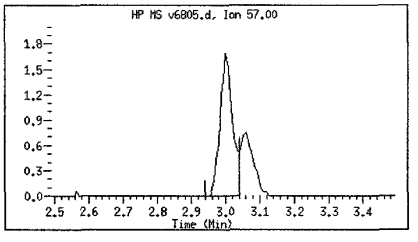


23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 09:34



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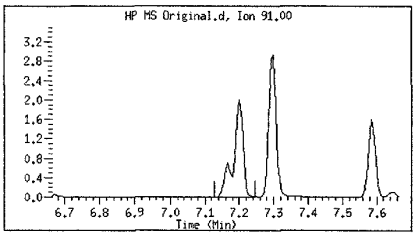
034319

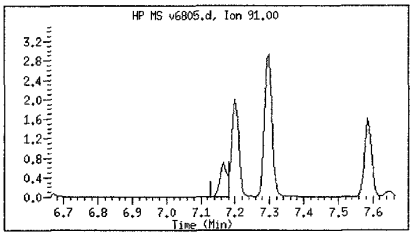
Original Final

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



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 09:34



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

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6806.d
Lab Smp Id: 1203 Client Smp ID: V0STD050
Inj Date : 01-DEC-2006 09:30
Operator : AJV Inst ID: msv0.i
Smp Info : 1203*V0STD050*5-55-6
Misc Info : MSV~9549~*1*VWM
Comment :
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Meth Date : 01-Dec-2006 13:53 ajv Quant Type: ISTD
Cal Date : 01-DEC-2006 09:30 Cal File: v6806.d
Als bottle: 6 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50

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	1.258	1.258	(0.252)	102975	50.0000	48.5	9030
2	Chloromethane ++	50	1.391	1.391	(0.278)	71991	50.0000	47.9	9076
4	Vinyl Chloride +	62	1.444	1.444	(0.289)	60420	50.0000	50.1	8832
5	Bromomethane	94	1.675	1.676	(0.335)	39954	50.0000	45.0	9455
6	Chloroethane	64	1.768	1.768	(0.354)	28285	50.0000	49.5	8272
7	Trichlorofluoromethane	101	1.867	1.868	(0.373)	56461	50.0000	37.5	8595
11	1,1-Dichloroethene +	96	2.252	2.252	(0.450)	52661	50.0000	52.4	9540
14	Carbon Disulfide	76	2.271	2.265	(0.454)	211605	50.0000	54.1	9308
9	1,1,2Trichlotrifluoroethane	101	2.285	2.285	(0.457)	65734	50.0000	54.0	8834
13	Methyl Iodide	142	2.364	2.364	(0.473)	104158	50.0000	52.3	9598
10	Acrolein	56	2.563	2.557	(0.513)	67824	250.000	288	9278
18	Methylene Chloride	49	2.762	2.762	(0.552)	117525	50.0000	52.7	9267
12	Acetone	43	2.861	2.855	(0.572)	141237	50.0000	60.1	9160
21	trans-1,2-Dichloroethene	61	2.914	2.914	(0.583)	107565	50.0000	51.2	9482

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Methyl Acetate	43	2.973	2.974	(0.595)	231752	50.0000	46.7	8313(M2)
	23 Hexane	57	2.993	2.994	(0.599)	94033	50.0000	48.3	9450(M2)
	20 MTBE	73	3.060	3.060	(0.612)	259509	50.0000	50.7	9438
	26 1,1-Dichloroethane ++	63	3.517	3.517	(0.703)	260520	50.0000	50.2	9640
	22 Acrylonitrile	53	3.589	3.590	(0.718)	716467	250.000	269	9843
	27 Vinyl Acetate	43	3.781	3.782	(0.756)	225623	50.0000	50.9	
	30 cis-1,2-Dichloroethene	61	4.000	4.000	(0.800)	229943	50.0000	49.6	9546
	29 2,2-Dichloropropane	77	4.086	4.086	(0.817)	180222	50.0000	49.2	9720
	39 Cyclohexane	56	4.152	4.153	(0.830)	249785	50.0000	49.0	9667
	34 Bromochloromethane	128	4.166	4.166	(0.833)	90159	50.0000	50.5	9683
	38 Chloroform +	83	4.238	4.239	(0.848)	255178	50.0000	48.8	9471
	42 Carbon Tetrachloride	117	4.331	4.332	(0.866)	147252	50.0000	45.0	9425
$	41 Dibromofluoromethane	111	4.384	4.385	(0.877)	184069	50.0000	46.8	9585
	40 1,1,1-Trichloroethane	97	4.391	4.391	(0.878)	176608	50.0000	50.0	9538
	43 1,1-Dichloropropene	75	4.490	4.490	(0.898)	191502	50.0000	48.6	8887
	31 2-Butanone	43	4.510	4.510	(0.902)	433335	50.0000	49.7	
	46 Benzene	78	4.682	4.683	(0.936)	576090	50.0000	47.7	9845
$	47 1,2-Dichloroethane-d4	67	4.788	4.789	(0.958)	114622	50.0000	48.5	9628
	48 1,2-Dichloroethane	62	4.841	4.841	(0.968)	239105	50.0000	49.2	9660
*	49 FLUOROBENZENE	96	5.000	5.000	(1.000)	543114	50.0000		9768
	52 Methyl cyclohexane	83	5.113	5.113	(1.022)	225213	50.0000	50.2	8958
	50 Trichloroethene	130	5.126	5.126	(1.025)	157615	50.0000	49.4	9378
	58 Dibromomethane	93	5.431	5.431	(1.086)	140850	50.0000	50.7	9247
	54 1,2-Dichloropropane +	63	5.503	5.504	(1.101)	188404	50.0000	49.4	9823
	61 Bromodichloromethane	83	5.556	5.557	(1.111)	215180	50.0000	49.9	9605
	64 1-Bromo-2-chloroethane	63	5.888	5.888	(1.177)	332143	50.0000	50.5	9527
	62 2-Chloroethyl vinyl ether	63	5.960	5.961	(1.192)	178788	50.0000	52.5	9771
	65 cis-1,3-Dichloropropene	75	6.000	6.001	(1.200)	294983	50.0000	49.6	
$	67 Toluene-d8	98	6.126	6.126	(0.854)	532484	50.0000	46.7	9888
	68 Toluene +	91	6.159	6.159	(0.859)	611203	50.0000	47.2	9894
	66 4-methyl-2-pentanone	43	6.424	6.424	(1.285)	596466	50.0000	52.1	
	78 Tetrachloroethene	164	6.424	6.424	(0.896)	106378	50.0000	49.1	9014
	71 trans-1,3-Dichloropropene	75	6.444	6.444	(0.898)	278447	50.0000	50.5	
	76 1,1,2-Trichloroethane	97	6.557	6.557	(0.914)	176060	50.0000	51.5	9599
	81 Dibromochloromethane	129	6.676	6.676	(0.931)	194848	50.0000	51.4	9707
	79 1,3-Dichloropropane	76	6.735	6.736	(0.939)	305655	50.0000	50.1	9722
	83 1,2-Dibromoethane(EDB)	107	6.835	6.835	(0.953)	213762	50.0000	52.0	9796
	80 2-Hexanone	43	6.980	6.981	(0.973)	554764	50.0000	52.8	9842
	84 1-Chlorohexane	91	7.166	7.166	(1.433)	244022	50.0000	51.4	3583(M2)
*	85 Chlorobenzene-d5	82	7.172	7.173	(1.000)	240410	50.0000		7624
	86 Chlorobenzene ++	112	7.186	7.186	(1.002)	409013	50.0000	48.9	9037
	87 Ethylbenzene +	106	7.199	7.199	(1.004)	198688	50.0000	48.3	9331
	89 1,1,1,2-Tetrachloroethane	133	7.225	7.232	(1.007)	134065	50.0000	49.3	9364
M	75 Total 1,2-Dichloroethene	61				337508	100.000	101	0
	90 p,m-Xylene	106	7.298	7.299	(1.018)	499215	100.000	99.1	9901
M	77 1-3 Dichloropropene-Total	100				573430	100.000	100	0
	91 o-Xylene	106	7.583	7.583	(1.057)	256565	50.0000	50.0	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
92	Styrene	104	7.623	7.623	(1.063)	454497	50.0000	49.8	9799
95	Bromoform ++	173	7.643	7.650	(1.066)	137372	50.0000	53.2	8596
96	Isopropylbenzene	105	7.795	7.795	(1.087)	596370	50.0000	50.4	9770
$ 98	Bromofluorobenzene	174	7.994	7.994	(1.115)	151955	50.0000	48.6	9297
102	Bromobenzene	77	8.067	8.067	(0.922)	331375	50.0000	49.2	9488
103	n-Propylbenzene	91	8.073	8.074	(0.923)	782760	50.0000	49.7	9011
101	1,1,2,2-Tetrachloroethane++	83	8.120	8.120	(0.928)	311808	50.0000	50.3	9439
105	2-Chlorotoluene	91	8.186	8.186	(0.936)	507962	50.0000	47.8	8619
107	1,3,5-Trimethylbenzene	105	8.199	8.199	(0.937)	517646	50.0000	49.6	
104	1,2,3-Trichloropropane	75	8.219	8.219	(0.939)	366253	50.0000	49.9	9389
106	trans-1,4-Dichloro-2-Butene	53	8.239	8.239	(0.942)	97287	50.0000	57.3	9277
108	4-Chlorotoluene	91	8.298	8.299	(0.949)	470410	50.0000	48.1	9669
109	tert-butylbenzene	91	8.418	8.425	(0.962)	351026	50.0000	53.9	9516
110	1,2,4-Trimethylbenzene	105	8.464	8.471	(0.967)	525293	50.0000	48.7	
112	sec-Butylbenzene	105	8.543	8.544	(0.977)	690363	50.0000	50.2	
113	p-Isopropyltoluene	119	8.636	8.636	(0.987)	554132	50.0000	50.5	9686
114	1,3-Dichlorobenzene	146	8.702	8.703	(0.995)	282110	50.0000	48.2	
* 115	1,4-DICHLOROBENZENE-D4	152	8.749	8.756	(1.000)	198496	50.0000		6051
117	1,4-Dichlorobenzene	146	8.762	8.762	(1.002)	298044	50.0000	47.3	
119	n-Butylbenzene	91	8.921	8.921	(1.020)	557147	50.0000	50.1	9732
120	1,2-Dichlorobenzene	146	9.047	9.047	(1.034)	282674	50.0000	47.9	
121	1,2-Dibromo-3-Chloropropane	157	9.550	9.550	(1.092)	80779	50.0000	51.7	9096
124	Hexachlorobutadiene	225	9.934	9.935	(1.135)	82015	50.0000	49.1	9421
123	1,2,4-Trichlorobenzene	180	9.961	9.961	(1.139)	172080	50.0000	47.5	
125	Napthalene	128	10.159	10.160	(1.161)	682506	50.0000	46.5	9600
126	1,2,3-Trichlorobenzene	180	10.272	10.272	(1.174)	170031	50.0000	47.2	
M 127	TOTAL XYLENE	106				755780	150.000	149	0

QC Flag Legend

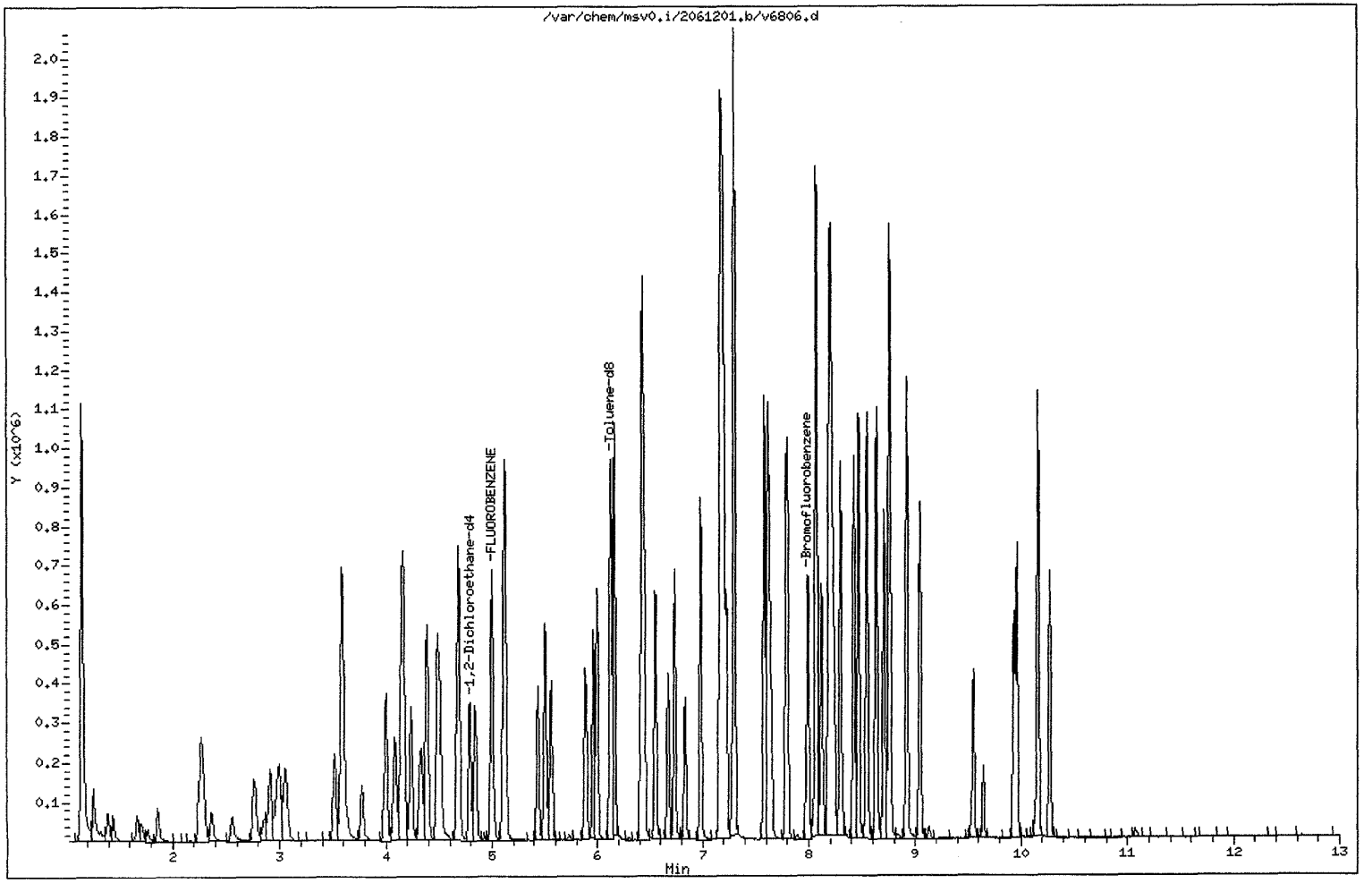
M2- Compound response manually integrated because Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2061201.b/v6806.d
Date : 01-DEC-2006 09:30
Client ID: VOSTD050
Sample Info: 1203*VOSTD050*5-55-6

Column phase: DB-624-30M

Instrument: msv0.i

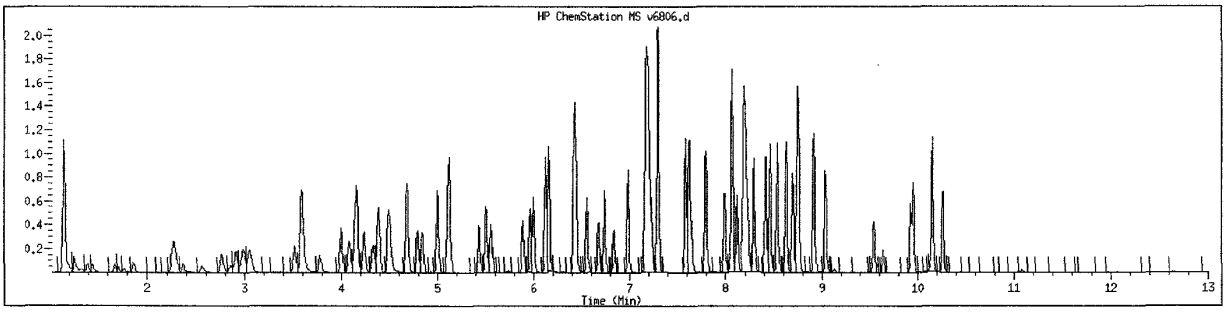
Operator: AJV
Column diameter: 0.53



Data file : /var/chem/msv0.i/2061201.b/v6806.d Page: 1
Report Date: 12/01/2006 14:30

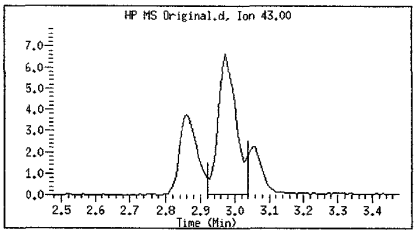
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1203 SampleType : CALIB_3
Injection Date: 01-DEC-2006 09:30 Instrument : msv0.i
Operator : AJV
Sample Info : 1203*V0STD050*5-55-6
Misc Info : MSV~9549~*1*VWM
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



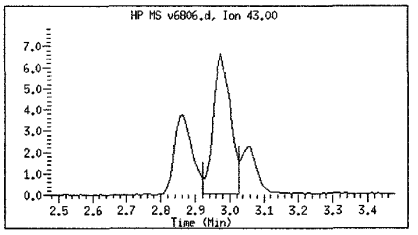
Original Final

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

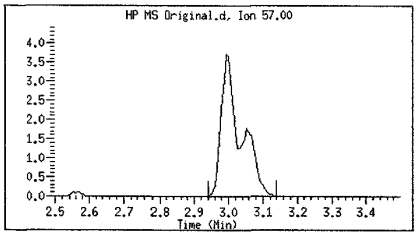


Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:24

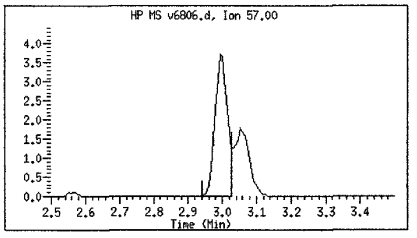


23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:26

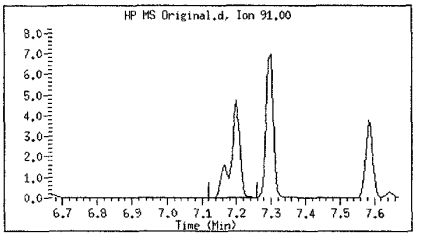


000240

034325

Original Final

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



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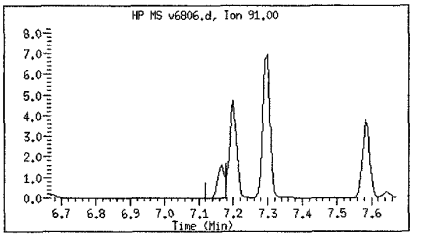


M2- Compound response manually integrated because Target system integrated incorrectly.

034326

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6807.d
Lab Smp Id: 1204 Client Smp ID: V0STD100
Inj Date : 01-DEC-2006 09:50
Operator : AJV Inst ID: msv0.i
Smp Info : 1204*V0STD100*5-55-6
Misc Info : MSV~9549~*1*VWM
Comment :
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Meth Date : 01-Dec-2006 13:53 ajv Quant Type: ISTD
Cal Date : 01-DEC-2006 09:50 Cal File: v6807.d
Als bottle: 7 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50

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	1.257	1.258	(0.251)	212277	100.000	100	9408
2 Chloromethane ++	50	1.396	1.391	(0.279)	145464	100.000	97.0	9430
4 Vinyl Chloride +	62	1.449	1.444	(0.290)	120599	100.000	100	8892
5 Bromomethane	94	1.675	1.676	(0.335)	94705	100.000	107	9512
6 Chloroethane	64	1.767	1.768	(0.353)	59001	100.000	102	8892
7 Trichlorofluoromethane	101	1.867	1.868	(0.373)	142020	100.000	111	8137
11 1,1-Dichloroethene +	96	2.257	2.252	(0.451)	94532	100.000	94.3	9186
14 Carbon Disulfide	76	2.271	2.265	(0.454)	377239	100.000	98.0	9231
9 1,1,2Trichlotrifluoroethane	101	2.291	2.285	(0.458)	117891	100.000	98.3	9263
13 Methyl Iodide	142	2.370	2.364	(0.473)	196170	100.000	96.9	9570
10 Acrolein	56	2.569	2.557	(0.513)	107307	500.000	457	9475
18 Methylene Chloride	49	2.767	2.762	(0.553)	211038	100.000	101	9290
12 Acetone	43	2.887	2.855	(0.577)	195500	100.000	91.9	9266
21 trans-1,2-Dichloroethene	61	2.913	2.914	(0.582)	209031	100.000	99.8	9317

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Methyl Acetate	43	2.986	2.974	(0.596)	461694	100.000	93.3	9534(M2)
	23 Hexane	57	2.999	2.994	(0.599)	188612	100.000	97.0	9538
	20 MTBE	73	3.059	3.060	(0.611)	519740	100.000	102	9590
	26 1,1-Dichloroethane ++	63	3.516	3.517	(0.702)	520254	100.000	101	9663
	22 Acrylonitrile	53	3.602	3.590	(0.720)	1313995	500.000	495	9878
	27 Vinyl Acetate	43	3.781	3.782	(0.755)	458065	100.000	104	
	30 cis-1,2-Dichloroethene	61	3.999	4.000	(0.799)	466402	100.000	101	9591
	29 2,2-Dichloropropane	77	4.085	4.086	(0.816)	366023	100.000	100	9754
	39 Cyclohexane	56	4.152	4.153	(0.829)	497645	100.000	97.8	9714
	34 Bromochloromethane	128	4.165	4.166	(0.832)	182936	100.000	103	9805
	38 Chloroform +	83	4.238	4.239	(0.847)	509669	100.000	97.8	9482
	42 Carbon Tetrachloride	117	4.330	4.332	(0.865)	367386	100.000	113	9422
$	41 Dibromofluoromethane	111	4.383	4.385	(0.876)	369523	100.000	94.1	9560
	40 1,1,1-Trichloroethane	97	4.390	4.391	(0.877)	356275	100.000	101	9440
	43 1,1-Dichloropropene	75	4.489	4.490	(0.897)	387852	100.000	98.7	7933
	31 2-Butanone	43	4.516	4.510	(0.902)	799292	100.000	91.9	
	46 Benzene	78	4.681	4.683	(0.935)	1170793	100.000	97.2	9803
$	47 1,2-Dichloroethane-d4	67	4.794	4.789	(0.958)	223284	100.000	94.7	9632
	48 1,2-Dichloroethane	62	4.847	4.841	(0.968)	476978	100.000	98.3	9677
*	49 FLUOROBENZENE	96	5.006	5.000	(1.000)	541993	50.0000		9712
	52 Methyl cyclohexane	83	5.112	5.113	(1.021)	452366	100.000	101	8468
	50 Trichloroethene	130	5.125	5.126	(1.024)	314774	100.000	98.9	9084
	58 Dibromomethane	93	5.436	5.431	(1.086)	284846	100.000	103	9418
	54 1,2-Dichloropropane +	63	5.509	5.504	(1.101)	381139	100.000	100	9713
	61 Bromodichloromethane	83	5.556	5.557	(1.110)	446632	100.000	104	9580
	64 1-Bromo-2-chloroethane	63	5.887	5.888	(1.176)	659188	100.000	100	9486
	62 2-Chloroethyl vinyl ether	63	5.966	5.961	(1.192)	376777	100.000	111	9826
	65 cis-1,3-Dichloropropene	75	5.999	6.001	(1.198)	607476	100.000	102	
$	67 Toluene-d8	98	6.125	6.126	(0.854)	1048014	100.000	91.3	9896
	68 Toluene +	91	6.158	6.159	(0.859)	1219839	100.000	93.7	9876
	66 4-methyl-2-pentanone	43	6.430	6.424	(1.284)	1105695	100.000	96.8	
	78 Tetrachloroethene	164	6.423	6.424	(0.896)	217603	100.000	99.9	9353
	71 trans-1,3-Dichloropropene	75	6.443	6.444	(0.898)	559080	100.000	101	
	76 1,1,2-Trichloroethane	97	6.556	6.557	(0.914)	352345	100.000	103	9570
	81 Dibromochloromethane	129	6.675	6.676	(0.931)	406594	100.000	107	9673
	79 1,3-Dichloropropane	76	6.735	6.736	(0.939)	615223	100.000	100	9767
	83 1,2-Dibromoethane(EDB)	107	6.834	6.835	(0.953)	423505	100.000	102	9817
	80 2-Hexanone	43	6.986	6.981	(0.974)	1052773	100.000	99.7	9854
	84 1-Chlorohexane	91	7.165	7.166	(1.431)	468072	100.000	98.9	3491(M2)
*	85 Chlorobenzene-d5	82	7.172	7.173	(1.000)	241788	50.0000		9166
	86 Chlorobenzene ++	112	7.185	7.186	(1.002)	833634	100.000	99.2	9458
	87 Ethylbenzene +	106	7.198	7.199	(1.004)	410488	100.000	99.2	9746
	89 1,1,1,2-Tetrachloroethane	133	7.231	7.232	(1.008)	279406	100.000	102	9548
M	75 Total 1,2-Dichloroethene	61				675433	200.000	201	0
	90 p,m-Xylene	106	7.298	7.299	(1.018)	995842	200.000	197	9925
M	77 1-3 Dichloropropene-Total	100				1166556	200.000	203	0
	91 o-Xylene	106	7.589	7.583	(1.058)	520671	100.000	101	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	7.622	7.623	(1.063)	918581	100.000	100	9770
95	Bromoform ++	173	7.649	7.650	(1.066)	279836	100.000	108	9127
96	Isopropylbenzene	105	7.794	7.795	(1.087)	1199122	100.000	101	9779
$ 98	Bromofluorobenzene	174	7.993	7.994	(1.115)	312791	100.000	99.6	9276
102	Bromobenzene	77	8.066	8.067	(0.921)	658340	100.000	96.7	9329
103	n-Propylbenzene	91	8.072	8.074	(0.922)	1548041	100.000	97.3	9307
101	1,1,2,2-Tetrachloroethane++	83	8.125	8.120	(0.928)	625199	100.000	99.9	9504
105	2-Chlorotoluene	91	8.185	8.186	(0.935)	1049041	100.000	97.7	8189
107	1,3,5-Trimethylbenzene	105	8.198	8.199	(0.936)	1049130	100.000	99.5	
104	1,2,3-Trichloropropane	75	8.218	8.219	(0.939)	706521	100.000	95.4	9023
106	trans-1,4-Dichloro-2-Butene	53	8.238	8.239	(0.941)	150937	100.000	88.0	9617
108	4-Chlorotoluene	91	8.298	8.299	(0.948)	951856	100.000	96.4	9683
109	tert-butylbenzene	91	8.423	8.425	(0.962)	701689	100.000	107	9697
110	1,2,4-Trimethylbenzene	105	8.470	8.471	(0.967)	1054482	100.000	96.7	
112	sec-Butylbenzene	105	8.543	8.544	(0.976)	1377468	100.000	99.2	
113	p-Isopropyltoluene	119	8.635	8.636	(0.986)	1108809	100.000	100	9715
114	1,3-Dichlorobenzene	146	8.702	8.703	(0.994)	562379	100.000	95.1	
* 115	1,4-DICHLOROBENZENE-D4	152	8.755	8.756	(1.000)	200456	50.0000		8575
117	1,4-Dichlorobenzene	146	8.761	8.762	(1.001)	598111	100.000	94.0	
119	n-Butylbenzene	91	8.920	8.921	(1.019)	1100314	100.000	98.0	9785
120	1,2-Dichlorobenzene	146	9.046	9.047	(1.033)	575116	100.000	96.5	
121	1,2-Dibromo-3-Chloropropane	157	9.549	9.550	(1.091)	161423	100.000	102	8943
124	Hexachlorobutadiene	225	9.940	9.935	(1.135)	173808	100.000	103	9336
123	1,2,4-Trichlorobenzene	180	9.967	9.961	(1.138)	363879	100.000	99.4	
125	Napthalene	128	10.165	10.160	(1.161)	1397503	100.000	94.2	9627
126	1,2,3-Trichlorobenzene	180	10.278	10.272	(1.174)	357336	100.000	98.3	
M 127	TOTAL XYLENE	106				1516513	300.000	297	0

QC Flag Legend

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

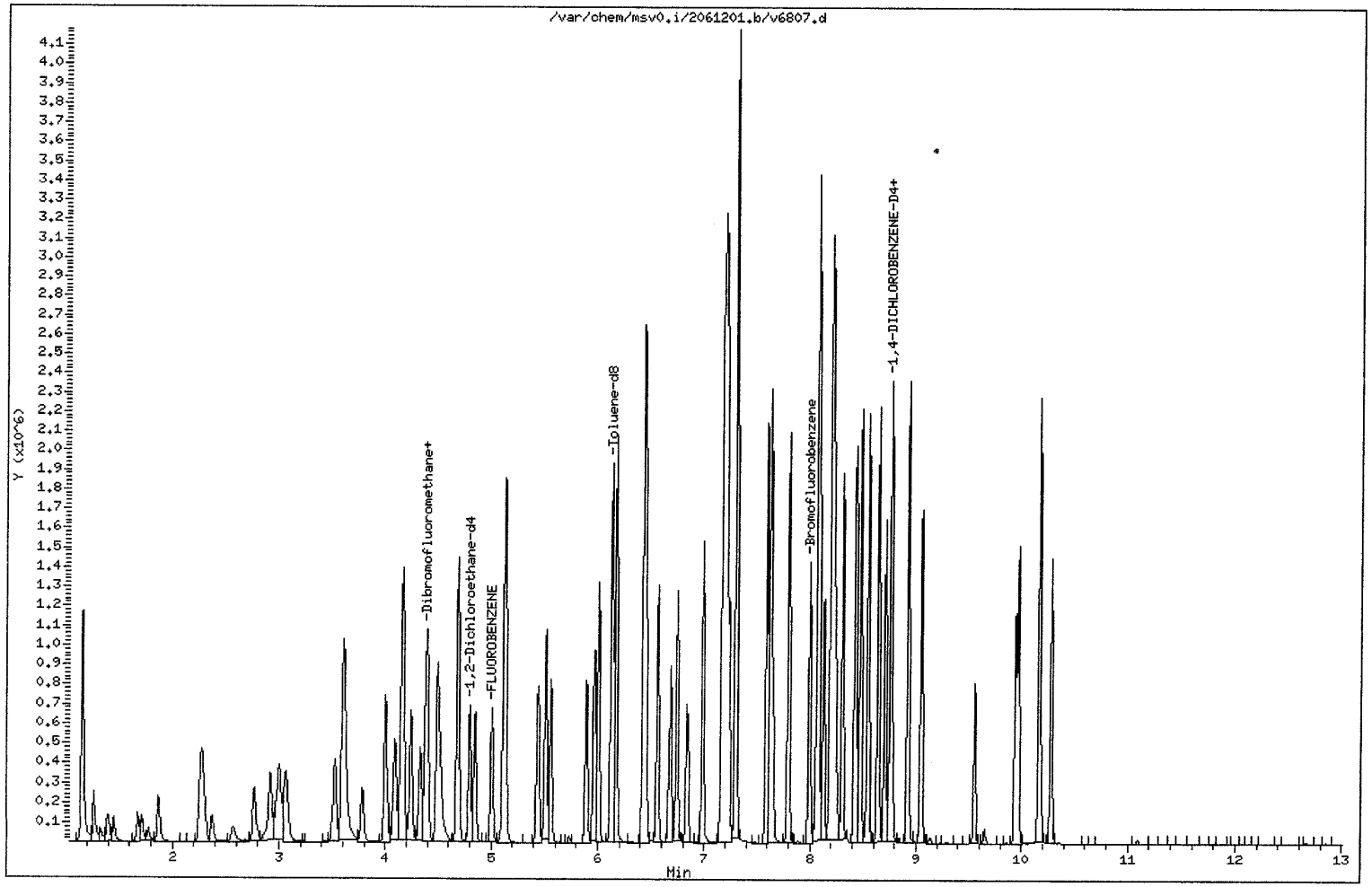
034329

Data File: /var/chem/msv0.i/2061201.b/v6807.d
Date : 01-DEC-2006 09:50
Client ID: VOSTD100
Sample Info: 1204*VOSTD100*5-55-6

Column phase: DB-624-30M

Instrument: msv0.i

Operator: AJV
Column diameter: 0.53

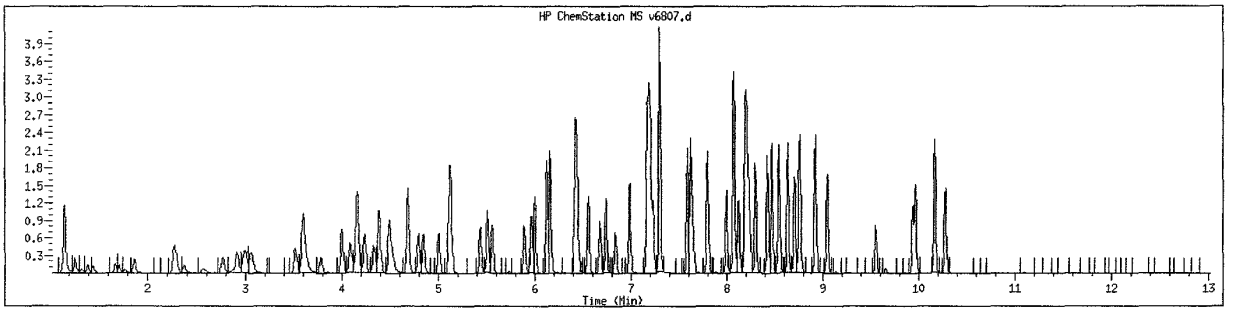


034330

Data file : /var/chem/msv0.i/2061201.b/v6807.d Page: 1
Report Date: 12/01/2006 14:30

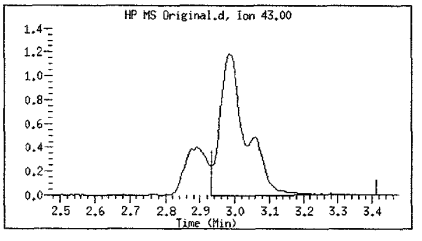
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 01-DEC-2006 09:50 Instrument : msv0.i
Operator : AJV
Sample Info : 1204*V0STD100*5-55-6
Misc Info : MSV~9549~*1*VWM
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



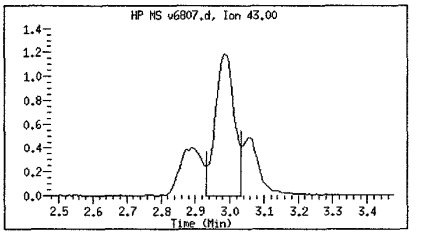
Original Final

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

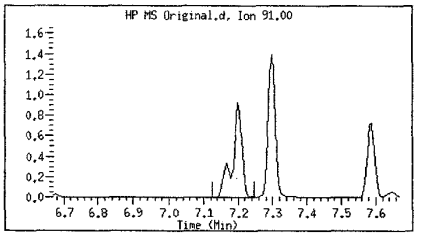


Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:29

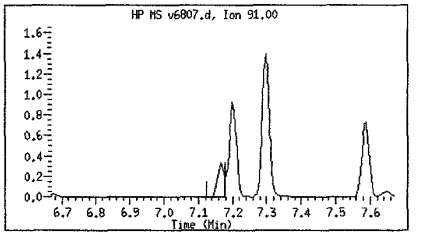


84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:55



000246

034331

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

034332

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6808.d
Lab Smp Id: 1205 Client Smp ID: V0STD200
Inj Date : 01-DEC-2006 10:11
Operator : AJV Inst ID: msv0.i
Smp Info : 1205*V0STD200*5-55-6
Misc Info : MSV~9549~*1*VWM
Comment :
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Meth Date : 01-Dec-2006 13:53 ajv Quant Type: ISTD
Cal Date : 01-DEC-2006 10:11 Cal File: v6808.d
Als bottle: 8 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50

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	1.258	1.258	(0.252)	437502	200.000	202	9119
2 Chloromethane ++	50	1.391	1.391	(0.278)	313684	200.000	204	9419
4 Vinyl Chloride +	62	1.444	1.444	(0.289)	265475	200.000	215	8866
5 Bromomethane	94	1.676	1.676	(0.335)	214669	200.000	237	9603
6 Chloroethane	64	1.768	1.768	(0.354)	118453	200.000	199	8776
7 Trichlorofluoromethane	101	1.868	1.868	(0.374)	221485	200.000	196	9277
11 1,1-Dichloroethene +	96	2.252	2.252	(0.450)	193729	200.000	189	9348
14 Carbon Disulfide	76	2.265	2.265	(0.453)	781244	200.000	200	9092
9 1,1,2Trichlotrifluoroethane	101	2.285	2.285	(0.457)	243398	200.000	200	9071
13 Methyl Iodide	142	2.364	2.364	(0.473)	421208	200.000	201	9694
10 Acrolein	56	2.557	2.557	(0.511)	244321	1000.00	1010	9350(A)
18 Methylene Chloride	49	2.762	2.762	(0.552)	412369	200.000	199	9262
12 Acetone	43	2.855	2.855	(0.571)	351717	200.000	201	9472
21 trans-1,2-Dichloroethene	61	2.914	2.914	(0.583)	409508	200.000	191	9587

000248

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	16 Methyl Acetate	43	2.974	2.974	(0.595)	861406	200.000	170	8787
	23 Hexane	57	2.994	2.994	(0.599)	350016	200.000	176	9489(M2)
	20 MTBE	73	3.060	3.060	(0.612)	997072	200.000	191	9394
	26 1,1-Dichloroethane ++	63	3.517	3.517	(0.703)	1070282	200.000	202	9646
	22 Acrylonitrile	53	3.590	3.590	(0.718)	2573666	1000.00	946	9881(A)
	27 Vinyl Acetate	43	3.782	3.782	(0.756)	973566	200.000	215	
	30 cis-1,2-Dichloroethene	61	4.000	4.000	(0.800)	927426	200.000	196	9582
	29 2,2-Dichloropropane	77	4.086	4.086	(0.817)	746155	200.000	199	9736
	39 Cyclohexane	56	4.153	4.153	(0.830)	992105	200.000	190	9570
	34 Bromochloromethane	128	4.166	4.166	(0.833)	364163	200.000	199	9707
	38 Chloroform +	83	4.239	4.239	(0.848)	1040227	200.000	195	9436
	42 Carbon Tetrachloride	117	4.332	4.332	(0.866)	639456	200.000	191	9430
$	41 Dibromofluoromethane	111	4.385	4.385	(0.877)	740824	200.000	184	9699
	40 1,1,1-Trichloroethane	97	4.391	4.391	(0.878)	718318	200.000	199	9626
	43 1,1-Dichloropropene	75	4.490	4.490	(0.898)	783029	200.000	194	8877
	31 2-Butanone	43	4.510	4.510	(0.902)	1460718	200.000	164	
	46 Benzene	78	4.683	4.683	(0.936)	2329516	200.000	189	9736
$	47 1,2-Dichloroethane-d4	67	4.789	4.789	(0.958)	450748	200.000	187	9616
	48 1,2-Dichloroethane	62	4.841	4.841	(0.968)	939884	200.000	189	9677
*	49 FLUOROBENZENE	96	5.000	5.000	(1.000)	555227	50.0000		9779
	52 Methyl cyclohexane	83	5.113	5.113	(1.023)	914658	200.000	199	8924
	50 Trichloroethene	130	5.126	5.126	(1.025)	622669	200.000	191	9410
	58 Dibromomethane	93	5.431	5.431	(1.086)	576685	200.000	203	9405
	54 1,2-Dichloropropane +	63	5.504	5.504	(1.101)	763499	200.000	196	9685
	61 Bromodichloromethane	83	5.557	5.557	(1.111)	899831	200.000	204	9618
	64 1-Bromo-2-chloroethane	63	5.888	5.888	(1.177)	1333978	200.000	198	9593
	62 2-Chloroethyl vinyl ether	63	5.961	5.961	(1.192)	719847	200.000	207	9792
	65 cis-1,3-Dichloropropene	75	6.001	6.001	(1.200)	1209965	200.000	199	
$	67 Toluene-d8	98	6.126	6.126	(0.854)	2113268	200.000	186	9833
	68 Toluene +	91	6.159	6.159	(0.859)	2407138	200.000	187	9868
	66 4-methyl-2-pentanone	43	6.424	6.424	(1.285)	2000275	200.000	171	
	78 Tetrachloroethene	164	6.424	6.424	(0.896)	458954	200.000	213	9427
	71 trans-1,3-Dichloropropene	75	6.444	6.444	(0.898)	1103831	200.000	201	
	76 1,1,2-Trichloroethane	97	6.557	6.557	(0.914)	716667	200.000	211	9587
	81 Dibromochloromethane	129	6.676	6.676	(0.931)	840903	200.000	223	9760
	79 1,3-Dichloropropane	76	6.736	6.736	(0.939)	1237444	200.000	204	9730
	83 1,2-Dibromoethane(EDB)	107	6.835	6.835	(0.953)	873812	200.000	214	9814
	80 2-Hexanone	43	6.981	6.981	(0.973)	2028879	200.000	194	9860
	84 1-Chlorohexane	91	7.166	7.166	(1.433)	962065	200.000	198	3330(M2)
*	85 Chlorobenzene-d5	82	7.173	7.173	(1.000)	239148	50.0000		9555
	86 Chlorobenzene ++	112	7.186	7.186	(1.002)	1670817	200.000	201	9644
	87 Ethylbenzene +	106	7.199	7.199	(1.004)	834184	200.000	204	9487
	89 1,1,1,2-Tetrachloroethane	133	7.232	7.232	(1.008)	578553	200.000	214	9606
M	75 Total 1,2-Dichloroethene	61				1336934	400.000	386	0
	90 p,m-Xylene	106	7.299	7.299	(1.018)	1978080	400.000	395	9850
M	77 1-3 Dichloropropene-Total	100				2313796	400.000	400	0
	91 o-Xylene	106	7.583	7.583	(1.057)	1073298	200.000	210	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
92	Styrene	104	7.623	7.623	(1.063)	1902484	200.000	210	9877
95	Bromoform ++	173	7.650	7.650	(1.066)	589387	200.000	229	9251
96	Isopropylbenzene	105	7.795	7.795	(1.087)	2416823	200.000	205	9912
$ 98	Bromofluorobenzene	174	7.994	7.994	(1.114)	657572	200.000	212	9515
102	Bromobenzene	77	8.067	8.067	(0.921)	1299043	200.000	183	9641
103	n-Propylbenzene	91	8.074	8.074	(0.922)	3063320	200.000	185	9173
101	1,1,2,2-Tetrachloroethane++	83	8.120	8.120	(0.927)	1312199	200.000	201	9437
105	2-Chlorotoluene	91	8.186	8.186	(0.935)	2108413	200.000	189	8185
107	1,3,5-Trimethylbenzene	105	8.199	8.199	(0.936)	2099289	200.000	191	
104	1,2,3-Trichloropropane	75	8.219	8.219	(0.939)	1457150	200.000	189	9012
106	trans-1,4-Dichloro-2-Butene	53	8.239	8.239	(0.941)	303336	200.000	170	9498
108	4-Chlorotoluene	91	8.299	8.299	(0.948)	1959333	200.000	190	9830
109	tert-butylbenzene	91	8.425	8.425	(0.962)	1182605	200.000	173	9871
110	1,2,4-Trimethylbenzene	105	8.471	8.471	(0.967)	2157959	200.000	190	
112	sec-Butylbenzene	105	8.544	8.544	(0.976)	2820601	200.000	195	
113	p-Isopropyltoluene	119	8.636	8.636	(0.986)	2295476	200.000	199	9781
114	1,3-Dichlorobenzene	146	8.703	8.703	(0.994)	1238437	200.000	201	
* 115	1,4-DICHLOROBENZENE-D4	152	8.756	8.756	(1.000)	208820	50.0000		9563
117	1,4-Dichlorobenzene	146	8.762	8.762	(1.001)	1287706	200.000	194	
119	n-Butylbenzene	91	8.921	8.921	(1.019)	2299937	200.000	197	9873
120	1,2-Dichlorobenzene	146	9.047	9.047	(1.033)	1235879	200.000	199	
121	1,2-Dibromo-3-Chloropropane	157	9.550	9.550	(1.091)	354030	200.000	215	9293
124	Hexachlorobutadiene	225	9.935	9.935	(1.135)	384333	200.000	219	9362
123	1,2,4-Trichlorobenzene	180	9.961	9.961	(1.138)	805450	200.000	211	
125	Napthalene	128	10.160	10.160	(1.160)	3004475	200.000	194	9736
126	1,2,3-Trichlorobenzene	180	10.272	10.272	(1.173)	783021	200.000	207	
M 127	TOTAL XYLENE	106				3051378	600.000	605	0

QC Flag Legend

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

Data File: /var/chem/msv0.i/2061201.b/v6808.d

Page 1

Date : 01-DEC-2006 10:11

Client ID: VOSTD200

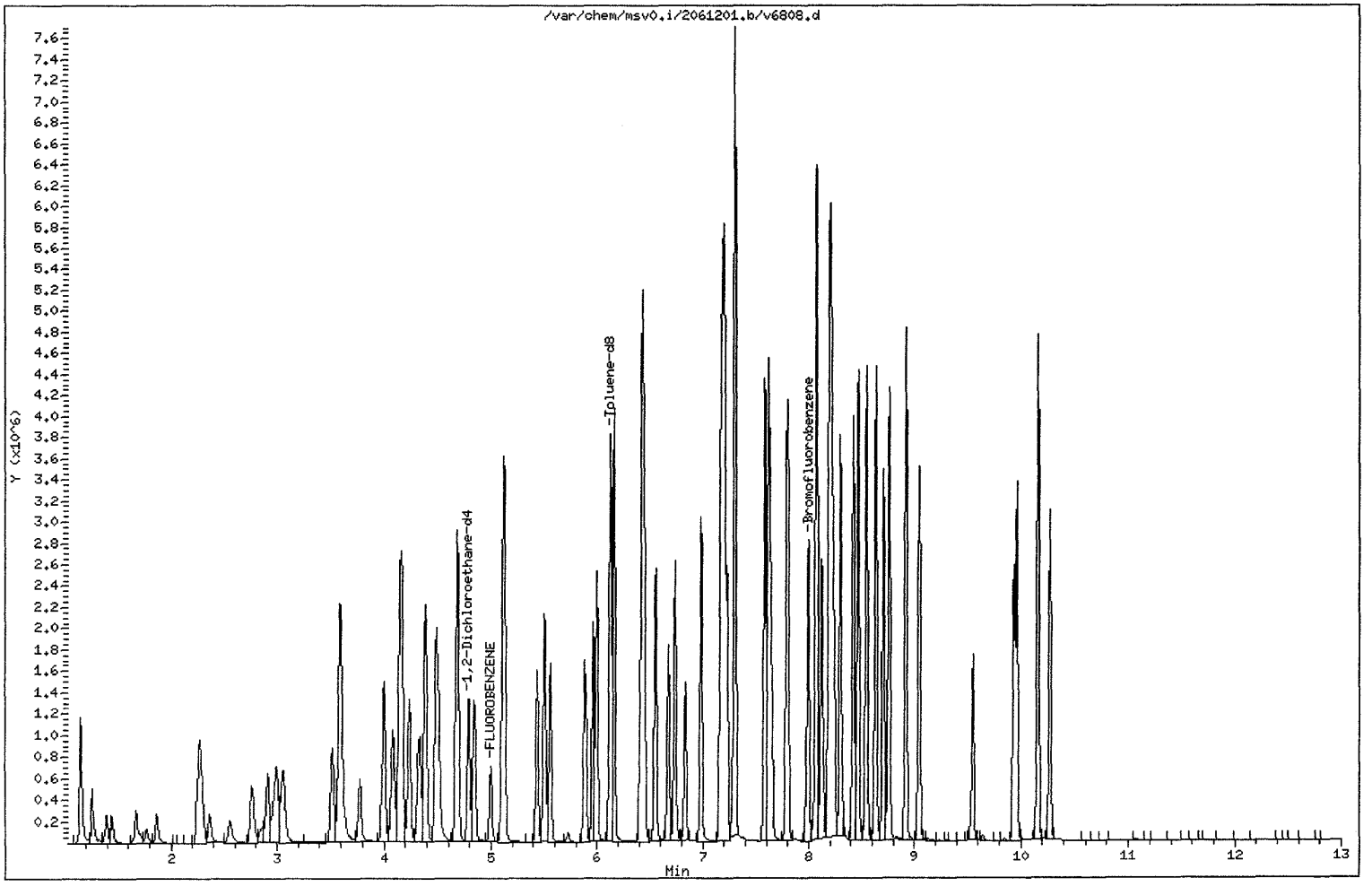
Instrument: msv0.i

Sample Info: 1205*VOSTD200*5-55-6

Operator: AJV

Column phase: DB-624-30M

Column diameter: 0.53

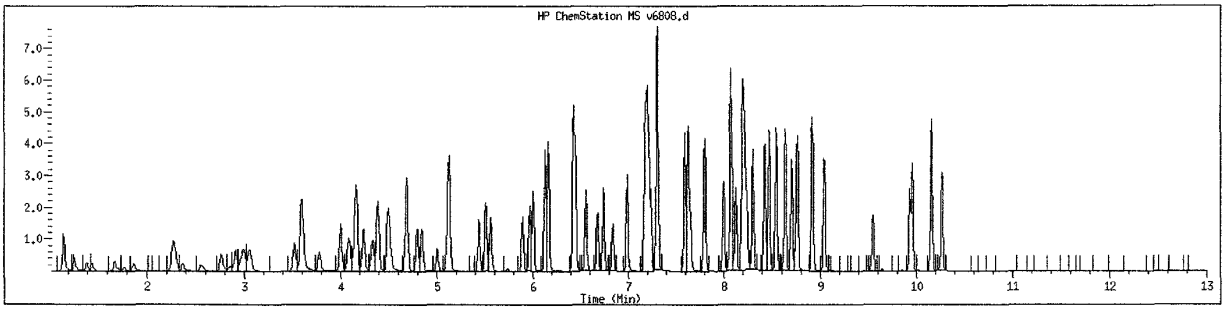


034336

Data file : /var/chem/msv0.i/2061201.b/v6808.d Page: 1
Report Date: 12/01/2006 14:30

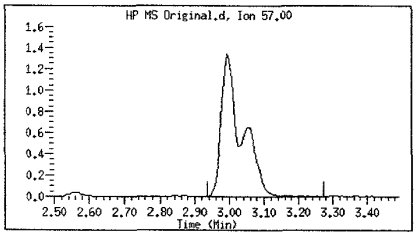
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 01-DEC-2006 10:11 Instrument : msv0.i
Operator : AJV
Sample Info : 1205*V0STD200*5-55-6
Misc Info : MSV~9549~*1*VWM
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



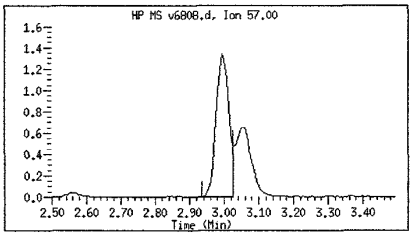
Original Final

23 Hexane CAS#: 110-54-3 Reason: M2

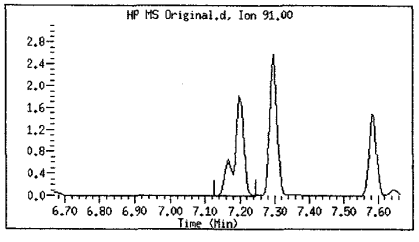


Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:34

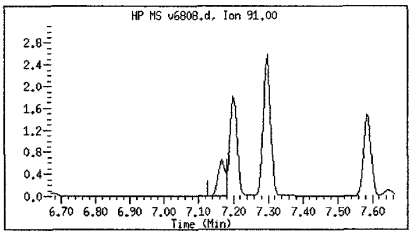


84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: ajv
Date: 01-Dec-2006 10:34



000252

034337

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

034338

Data File: /var/chem/msv0.i/2061201.b/v6811.d
Report Date: 01-Dec-2006 14:41

GCAL, Inc.

RECOVERY REPORT

Client Name:
Sample Matrix: SOLID
Lab Smp Id: 1600
Level: LOW
Data Type: MS DATA
SpikeList File: ICV.spk
Sublist File: 8260b.sub
Method File: /var/chem/msv0.i/2061201.b/8260Bs0.m
Misc Info: MSV~9549~*1*VWM

Client SDG: 2061201
Fraction: VOA
Client Smp ID: V0ICV
Operator: AJV
SampleType: LCS
Quant Type: ISTD

	SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
	1	Dichlorodifluoromethane	50.0	48.6	97.28	75-125
	2	Chloromethane ++	50.0	49.5	99.08	75-125
	4	Vinyl Chloride +	50.0	50.8	101.63	75-125
	5	Bromomethane	50.0	51.3	102.66	75-125
	6	Chloroethane	50.0	49.9	99.73	75-125
	7	Trichlorofluoromethane	50.0	38.4	76.82	75-125
	10	Acrolein	250	243	97.39	60-140
	11	1,1-Dichloroethene +	50.0	46.4	92.76	75-125
	9	1,1,2Trichlotrifluoroethane	50.0	50.1	100.24	75-125
	12	Acetone	50.0	49.8	99.63	60-140
	13	Methyl Iodide	50.0	50.1	100.16	75-125
	14	Carbon Disulfide	50.0	48.0	96.00	75-125
	18	Methylene Chloride	50.0	47.3	94.66	75-125
	22	Acrylonitrile	250	242	96.63	60-140
	21	trans-1,2-Dichloroethene	50.0	48.9	97.85	75-125
	20	MTBE	50.0	49.0	98.01	75-125
	23	Hexane	50.0	50.4	100.77	75-125
	26	1,1-Dichloroethane ++	50.0	49.9	99.83	75-125
	27	Vinyl Acetate	50.0	48.0	95.91	75-125
	30	cis-1,2-Dichloroethene	50.0	49.3	98.60	75-125
	29	2,2-Dichloropropane	50.0	49.5	99.05	75-125
	31	2-Butanone	50.0	45.6	91.23	60-140
	34	Bromochloromethane	50.0	50.6	101.10	75-125
	38	Chloroform +	50.0	48.9	97.81	75-125
	40	1,1,1-Trichloroethane	50.0	50.4	100.82	75-125
	43	1,1-Dichloropropene	50.0	50.5	101.04	75-125
	42	Carbon Tetrachloride	50.0	46.8	93.65	75-125
M	75	Total 1,2-Dichloroethene	100	98.2	98.22	75-125
	46	Benzene	50.0	48.3	96.65	75-125
	48	1,2-Dichloroethane	50.0	47.8	95.57	75-125
	50	Trichloroethene	50.0	51.5	103.00	75-125
	54	1,2-Dichloropropane +	50.0	49.4	98.83	75-125
	58	Dibromomethane	50.0	50.4	100.75	75-125

000254

SPIKE	COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
61	Bromodichloromethane	50.0	52.3	104.50	75-125
52	Methyl cyclohexane	50.0	53.5	107.09	75-125
62	2-Chloroethyl vinyl ether	50.0	54.4	108.86	75-125
65	cis-1,3-Dichloropropene	50.0	51.4	102.75	75-125
66	4-methyl-2-pentanone	50.0	50.2	100.47	60-140
68	Toluene +	50.0	49.3	98.62	75-125
71	trans-1,3-Dichloropropene	50.0	54.1	108.25	75-125
76	1,1,2-Trichloroethane	50.0	54.1	108.14	75-125
79	1,3-Dichloropropane	50.0	52.8	105.68	75-125
78	Tetrachloroethene	50.0	53.8	107.65	75-125
80	2-Hexanone	50.0	53.6	107.27	60-140
81	Dibromochloromethane	50.0	55.3	110.59	75-125
83	1,2-Dibromoethane(EDB)	50.0	54.5	108.91	75-125
86	Chlorobenzene ++	50.0	52.7	105.38	75-125
89	1,1,1,2-Tetrachloroethane	50.0	54.0	107.91	75-125
87	Ethylbenzene +	50.0	52.8	105.53	75-125
90	p,m-Xylene	100	106	105.78	75-125
91	o-Xylene	50.0	52.8	105.56	75-125
92	Styrene	50.0	53.1	106.25	75-125
95	Bromoform ++	50.0	55.3	110.68	75-125
96	Isopropylbenzene	50.0	53.9	107.72	75-125
M 127	TOTAL XYLENE	150	159	105.70	75-125
101	1,1,2,2-Tetrachloroethane++	50.0	52.5	105.06	75-125
106	trans-1,4-Dichloro-2-Butene	50.0	61.9	123.71	60-140
102	Bromobenzene	50.0	53.1	106.23	75-125
104	1,2,3-Trichloropropane	50.0	52.2	104.32	75-125
103	n-Propylbenzene	50.0	54.0	107.96	75-125
105	2-Chlorotoluene	50.0	53.4	106.82	75-125
107	1,3,5-Trimethylbenzene	50.0	54.2	108.46	75-125
108	4-Chlorotoluene	50.0	52.3	104.53	75-125
109	tert-butylbenzene	50.0	58.4	116.78	75-125
113	p-Isopropyltoluene	50.0	56.1	112.19	75-125
110	1,2,4-Trimethylbenzene	50.0	53.0	106.02	75-125
112	sec-Butylbenzene	50.0	55.8	111.54	75-125
114	1,3-Dichlorobenzene	50.0	52.9	105.86	75-125
117	1,4-Dichlorobenzene	50.0	52.4	104.87	75-125
119	n-Butylbenzene	50.0	56.4	112.78	75-125
120	1,2-Dichlorobenzene	50.0	53.0	106.09	75-125
121	1,2-Dibromo-3-Chloropropane	50.0	55.9	111.81	60-140
123	1,2,4-Trichlorobenzene	50.0	58.7	117.45	75-125
124	Hexachlorobutadiene	50.0	57.3	114.56	75-125
126	1,2,3-Trichlorobenzene	50.0	57.8	115.52	75-125
39	Cyclohexane	50.0	50.2	100.44	75-125
16	Methyl Acetate	50.0	44.6	89.12	75-125
84	1-Chlorohexane	50.0	51.0	102.01	75-125
159	1,3-Diethylbenzene	50.0	0.00	*	70-130
160	1,2-Diethylbenzene	50.0	0.00	*	70-130

034340

	SPIKE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
	161 1,4-Diethylbenzene	50.0	0.00	*	70-130
M	162 Total Diethylbenzene	150	0.00	*	70-130

	SURROGATE COMPOUND	CONC ADDED ug/Kg	CONC RECOVERED ug/Kg	% RECOVERED	LIMITS
$	41 Dibromofluoromethane	50.0	40.6	81.14	0-130
$	47 1,2-Dichloroethane-d4	50.0	40.0	80.05	0-140
$	67 Toluene-d8	50.0	43.2	86.33	0-128
$	98 Bromofluorobenzene	50.0	50.2	100.34	0-138

GCAL, Inc.

Data file : /var/chem/msv0.i/2061201.b/v6811.d
Lab Smp Id: 1600 Client Smp ID: V0ICV
Inj Date : 01-DEC-2006 11:30
Operator : AJV Inst ID: msv0.i
Smp Info : 1600*V0ICV*5-53-7
Misc Info : MSV~9549~*1*VWM
Comment :
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Meth Date : 01-Dec-2006 13:53 ajv Quant Type: ISTD
Cal Date : 01-DEC-2006 10:11 Cal File: v6808.d
Als bottle: 11 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	1.259	1.258	(0.252)	115832	48.6387	48.6	9284
2 Chloromethane ++	50	1.391	1.391	(0.278)	83519	49.5418	49.5	9282
4 Vinyl Chloride +	62	1.444	1.444	(0.289)	68753	50.8151	50.8	8892
5 Bromomethane	94	1.676	1.676	(0.335)	51071	51.3317	51.3	9501
6 Chloroethane	64	1.769	1.768	(0.354)	31981	49.8652	49.9	8907
7 Trichlorofluoromethane	101	1.868	1.868	(0.374)	64775	38.4104	38.4	9031
11 1,1-Dichloroethene +	96	2.252	2.252	(0.450)	52264	46.3823	46.4	9258
14 Carbon Disulfide	76	2.265	2.265	(0.453)	211463	47.9983	48.0	9058
9 1,1,2Trichlotrifluoroethane	101	2.285	2.285	(0.457)	68507	50.1189	50.1	9188
13 Methyl Iodide	142	2.365	2.364	(0.473)	111587	50.0779	50.1	9565
10 Acrolein	56	2.563	2.557	(0.513)	64302	243.472	243	9448
18 Methylene Chloride	49	2.762	2.762	(0.552)	120075	47.3325	47.3	9301
12 Acetone	43	2.868	2.855	(0.574)	136491	49.8172	49.8	9233

000257

034342

			QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
		Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppb)	(ug/Kg)	SIMILARITY
	21	trans-1,2-Dichloroethene	61	2.914	2.914	(0.583)	115201	48.9236	48.9	9464
	16	Methyl Acetate	43	2.981	2.974	(0.596)	247907	44.5608	44.6	9564
	23	Hexane	57	2.994	2.994	(0.599)	110119	50.3866	50.4	9484
	20	MTBE	73	3.060	3.060	(0.612)	281198	49.0030	49.0	9400
	26	1,1-Dichloroethane ++	63	3.517	3.517	(0.703)	290254	49.9151	49.9	9647
	22	Acrylonitrile	53	3.596	3.590	(0.719)	721036	241.581	242	9864
	27	Vinyl Acetate	43	3.782	3.782	(0.756)	238229	47.9544	48.0	
	30	cis-1,2-Dichloroethene	61	4.000	4.000	(0.800)	256470	49.3000	49.3	9510
	29	2,2-Dichloropropane	77	4.087	4.086	(0.817)	203264	49.5255	49.5	9704
	39	Cyclohexane	56	4.153	4.153	(0.830)	287046	50.2196	50.2	9754
	34	Bromochloromethane	128	4.166	4.166	(0.833)	101240	50.5503	50.6	9808
	38	Chloroform +	83	4.239	4.239	(0.848)	286530	48.9026	48.9	9467
	42	Carbon Tetrachloride	117	4.332	4.332	(0.866)	171755	46.8231	46.8	9386
$	41	Dibromofluoromethane	111	4.385	4.385	(0.877)	178997	40.5683	40.6	9621
	40	1,1,1-Trichloroethane	97	4.391	4.391	(0.878)	199710	50.4103	50.4	9627
	43	1,1-Dichloropropene	75	4.491	4.490	(0.898)	223130	50.5185	50.5	8643
	31	2-Butanone	43	4.510	4.510	(0.902)	445641	45.6125	45.6	
	46	Benzene	78	4.683	4.683	(0.936)	654030	48.3239	48.3	9790
$	47	1,2-Dichloroethane-d4	67	4.795	4.789	(0.959)	106094	40.0266	40.0	9632
	48	1,2-Dichloroethane	62	4.842	4.841	(0.968)	260447	47.7842	47.8	9672
*	49	FLUOROBENZENE	96	5.001	5.000	(1.000)	609099	50.0000		9788
	52	Methyl cyclohexane	83	5.113	5.113	(1.022)	269401	53.5451	53.5	8590
	50	Trichloroethene	130	5.126	5.126	(1.025)	184287	51.4977	51.5	9126
	58	Dibromomethane	93	5.438	5.431	(1.087)	156841	50.3763	50.4	9530
	54	1,2-Dichloropropane +	63	5.511	5.504	(1.102)	211555	49.4133	49.4	9742
	61	Bromodichloromethane	83	5.557	5.557	(1.111)	252519	52.2525	52.3	9481
	64	1-Bromo-2-chloroethane	63	5.888	5.888	(1.177)	365272	49.5341	49.5	9490
	62	2-Chloroethyl vinyl ether	63	5.961	5.961	(1.192)	207989	54.4296	54.4	9793
	65	cis-1,3-Dichloropropene	75	6.001	6.001	(1.200)	342555	51.3729	51.4	
$	67	Toluene-d8	98	6.126	6.126	(0.854)	527989	43.1663	43.2	9911
	68	Toluene +	91	6.160	6.159	(0.859)	684361	49.3116	49.3	9856
	66	4-methyl-2-pentanone	43	6.425	6.424	(1.285)	644669	50.2346	50.2	
	78	Tetrachloroethene	164	6.425	6.424	(0.896)	125024	53.8231	53.8	9175
	71	trans-1,3-Dichloropropene	75	6.444	6.444	(0.898)	320170	54.1233	54.1	
	76	1,1,2-Trichloroethane	97	6.557	6.557	(0.914)	198022	54.0689	54.1	9564
	81	Dibromochloromethane	129	6.676	6.676	(0.931)	224898	55.2966	55.3	9624
	79	1,3-Dichloropropane	76	6.736	6.736	(0.939)	345465	52.8387	52.8	9742
	83	1,2-Dibromoethane(EDB)	107	6.835	6.835	(0.953)	240140	54.4550	54.5	9774
	80	2-Hexanone	43	6.981	6.981	(0.973)	603904	53.6359	53.6	9816
	84	1-Chlorohexane	91	7.166	7.166	(1.433)	271316	51.0041	51.0	3656(M2)
*	85	Chlorobenzene-d5	82	7.173	7.173	(1.000)	257776	50.0000		7939
	86	Chlorobenzene ++	112	7.186	7.186	(1.002)	472137	52.6896	52.7	8540
	87	Ethylbenzene +	106	7.199	7.199	(1.004)	232893	52.7665	52.8	9754
	89	1,1,1,2-Tetrachloroethane	133	7.233	7.232	(1.008)	157458	53.9542	54.0	9551
M	75	Total 1,2-Dichloroethene	61				371671	98.2236	98.2	0
	90	p,m-Xylene	106	7.299	7.299	(1.018)	571193	105.775	106	9890
M	77	1-3 Dichloropropene-Total	100				662725	105.496	105	0

034343

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	91 o-Xylene	106	7.590	7.583	(1.058)	290548	52.7777	52.8	
	92 Styrene	104	7.623	7.623	(1.063)	519877	53.1254	53.1	9745
	95 Bromoform ++	173	7.650	7.650	(1.066)	153287	55.3407	55.3	9112
	96 Isopropylbenzene	105	7.795	7.795	(1.087)	683576	53.8599	53.9	9768
$	98 Bromofluorobenzene	174	7.994	7.994	(1.114)	168056	50.1715	50.2	9260
	102 Bromobenzene	77	8.067	8.067	(0.921)	378934	53.1154	53.1	9218
	103 n-Propylbenzene	91	8.074	8.074	(0.922)	900208	53.9784	54.0	9348
	101 1,1,2,2-Tetrachloroethane++	83	8.127	8.120	(0.928)	344470	52.5310	52.5	9486
	105 2-Chlorotoluene	91	8.186	8.186	(0.935)	600880	53.4080	53.4	8060
	107 1,3,5-Trimethylbenzene	105	8.206	8.199	(0.937)	599426	54.2311	54.2	
	104 1,2,3-Trichloropropane	75	8.219	8.219	(0.939)	404853	52.1620	52.2	8804
	106 trans-1,4-Dichloro-2-Butene	53	8.246	8.239	(0.942)	111135	61.8549	61.9	8863
	108 4-Chlorotoluene	91	8.299	8.299	(0.948)	540767	52.2627	52.3	9656
	109 tert-butylbenzene	91	8.425	8.425	(0.962)	402676	58.3912	58.4	9717
	110 1,2,4-Trimethylbenzene	105	8.471	8.471	(0.967)	605491	53.0083	53.0	
	112 sec-Butylbenzene	105	8.544	8.544	(0.976)	811457	55.7716	55.8	
	113 p-Isopropyltoluene	119	8.637	8.636	(0.986)	651995	56.0928	56.1	9632
	114 1,3-Dichlorobenzene	146	8.709	8.703	(0.995)	328122	52.9298	52.9	
*	115 1,4-DICHLOROBENZENE-D4	152	8.756	8.756	(1.000)	210070	50.0000		7105
	117 1,4-Dichlorobenzene	146	8.762	8.762	(1.001)	349475	52.4353	52.4	
	119 n-Butylbenzene	91	8.921	8.921	(1.019)	663655	56.3910	56.4	9735
	120 1,2-Dichlorobenzene	146	9.047	9.047	(1.033)	331323	53.0443	53.0	
	121 1,2-Dibromo-3-Chloropropane	157	9.557	9.550	(1.092)	92522	55.9030	55.9	9267
	124 Hexachlorobutadiene	225	9.941	9.935	(1.135)	101287	57.2817	57.3	9423
	123 1,2,4-Trichlorobenzene	180	9.968	9.961	(1.138)	225333	58.7249	58.7	
	125 Napthalene	128	10.173	10.160	(1.162)	850844	54.7243	54.7	9665
	126 1,2,3-Trichlorobenzene	180	10.286	10.272	(1.175)	220045	57.7578	57.8	
M	127 TOTAL XYLENE	106				861741	158.553	159	0

QC Flag Legend

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

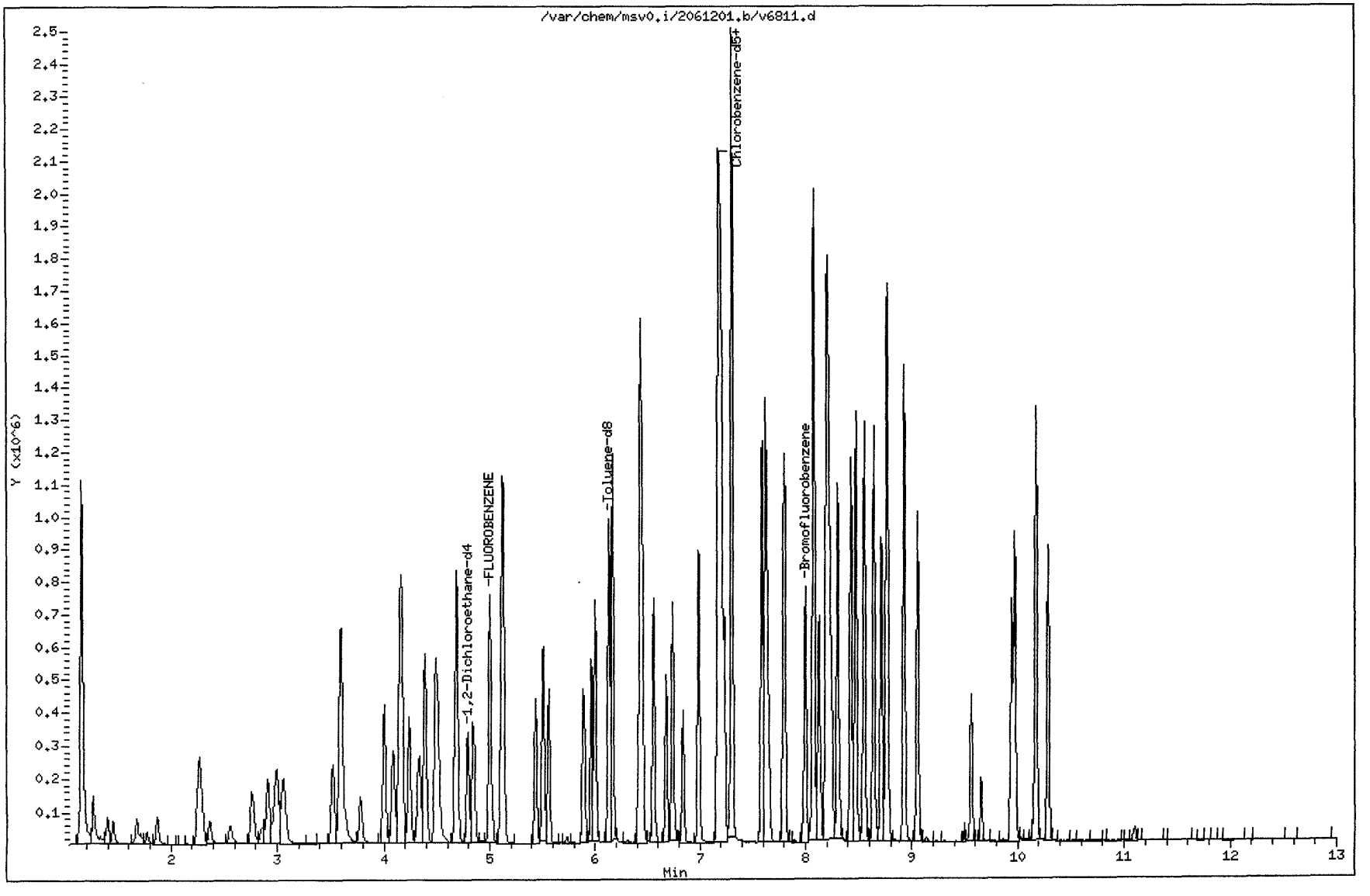
Data File: /var/chem/msv0.i/2061201.b/v6811.d
Date : 01-DEC-2006 11:30
Client ID: V0ICV
Sample Info: 1600*V0ICV*5-53-7

Column phase: DB-624-30M

Instrument: msv0.i

Operator: AJV
Column diameter: 0.53

000260

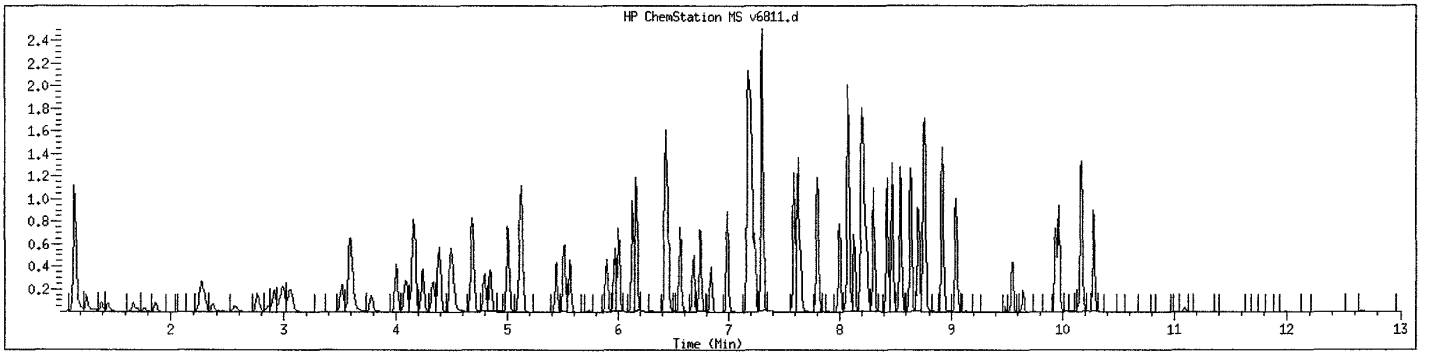


034345

Data file : /var/chem/msv0.i/2061201.b/v6811.d Page: 1
Report Date: 12/01/2006 14:41

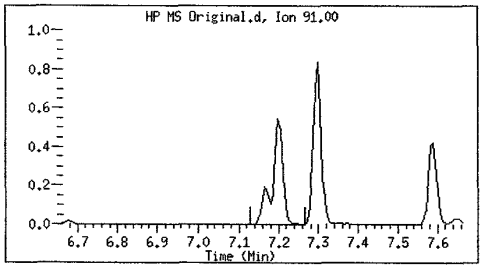
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1600 SampleType : LCS
Injection Date: 01-DEC-2006 11:30 Instrument : msv0.i
Operator : AJV
Sample Info : 1600*V0ICV*5-53-7
Misc Info : MSV~9549~*1*VWM
Method : /var/chem/msv0.i/2061201.b/8260Bs0.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



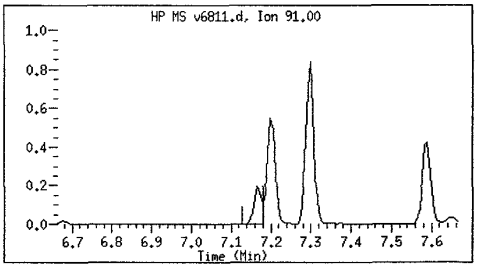
Original Final

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



Electronic Signature
Applied

User: ajv
Date: 01-Dec-2006 14:40



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

000251

Data File: /var/chem/msv0.i/2061210.b/v7083.d Page 1
Report Date: 10-Dec-2006 13:22

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 10-DEC-2006 11:58
Lab File ID: v7083.d Init. Cal. Date(s): 01-DEC-2006 09-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 08:09 23:25
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2061210.b/8260Bs0c.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.19549	0.15901	0.15901	0.010	-18.66245	30.00000	Averaged	
2 Chloromethane ++	0.13839	0.12118	0.12118	0.100	-12.43429	50.00000	Averaged	
4 Vinyl Chloride +	0.11107	0.11055	0.11055	0.010	-0.46212	20.00000	Averaged	
5 Bromomethane	0.08167	0.09244	0.09244	0.005	13.19089	30.00000	Averaged	
6 Chloroethane	52.79628	50.00000	0.05567	0.010	5.59257	0.000e+00	Linear	<-
7 Trichlorofluoromethane	43.79977	50.00000	0.12039	0.010	-12.40046	0.000e+00	Quadratic	<-
11 1,1-Dichloroethene +	0.09250	0.08661	0.08661	0.010	-6.37039	20.00000	Averaged	
14 Carbon Disulfide	0.38184	0.35225	0.35225	0.100	-7.75101	30.00000	Averaged	
9 1,1,2Trichlotrifluoroethane	51.73270	50.00000	0.11599	0.010	3.46540	0.000e+00	Linear	<-
13 Methyl Iodide	41.19084	50.00000	0.14930	0.010	-17.61831	0.000e+00	Linear	<-
10 Acrolein	0.02168	0.03929	0.03929	0.001	81.21211	40.00000	Averaged	<-
18 Methylene Chloride	0.25968	0.21364	0.21364	0.100	-17.72953	30.00000	Averaged	
12 Acetone	58.10358	50.00000	0.25322	0.010	16.20715	0.000e+00	Quadratic	<-
21 trans-1,2-Dichloroethene	0.19329	0.21919	0.21919	0.100	13.39494	30.00000	Averaged	
16 Methyl Acetate	0.45669	0.45329	0.45329	0.010	-0.74341	30.00000	Averaged	
23 Hexane	0.17940	0.19635	0.19635	0.100	9.44736	30.00000	Averaged	
20 MTBE	0.47105	0.48229	0.48229	0.100	2.38569	30.00000	Averaged	
26 1,1-Dichloroethane ++	0.47734	0.50926	0.50926	0.100	6.68785	30.00000	Averaged	
22 Acrylonitrile	0.24501	0.26637	0.26637	0.010	8.72117	40.00000	Averaged	
27 Vinyl Acetate	0.40780	1.06670	1.06670	0.100	162	30.00000	Averaged	<-
30 cis-1,2-Dichloroethene	0.42704	0.43394	0.43394	0.100	1.61503	30.00000	Averaged	
29 2,2-Dichloropropane	0.33691	0.35675	0.35675	0.100	5.88975	30.00000	Averaged	
39 Cyclohexane	0.46920	0.49479	0.49479	0.100	5.45327	30.00000	Averaged	
34 Bromochloromethane	0.16440	0.16196	0.16196	0.050	-1.48827	30.00000	Averaged	
38 Chloroform +	0.48097	0.50447	0.50447	0.100	4.88574	20.00000	Averaged	
42 Carbon Tetrachloride	0.30111	0.30022	0.30022	0.100	-0.29712	30.00000	Averaged	
$ 41 Dibromofluoromethane	0.36219	0.29074	0.29074	0.100	-19.72882	30.00000	Averaged	
40 1,1,1-Trichloroethane	0.32521	0.36142	0.36142	0.100	11.13333	30.00000	Averaged	
43 1,1-Dichloropropene	0.36257	0.37757	0.37757	0.100	4.13896	30.00000	Averaged	
31 2-Butanone	0.80202	0.70466	0.70466	0.050	-12.13879	40.00000	Averaged	
46 Benzene	1.11101	1.08900	1.08900	0.100	-1.98076	30.00000	Averaged	
$ 47 1,2-Dichloroethane-d4	0.21758	0.17889	0.17889	0.010	-17.78310	30.00000	Averaged	
48 1,2-Dichloroethane	0.44742	0.44051	0.44051	0.100	-1.54550	30.00000	Averaged	
52 Methyl cyclohexane	0.41301	0.44193	0.44193	0.100	7.00280	30.00000	Averaged	
50 Trichloroethene	0.29376	0.30087	0.30087	0.100	2.42203	30.00000	Averaged	

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GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 10-DEC-2006 11:58
Lab File ID: v7083.d Init. Cal. Date(s): 01-DEC-2006 09-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 08:09 23:25
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2061210.b/8260Bs0c.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
58 Dibromomethane	0.25557	0.24301	0.24301	0.100	-4.91755	30.00000	Averaged
54 1,2-Dichloropropane +	0.35145	0.34116	0.34116	0.100	-2.92622	20.00000	Averaged
61 Bromodichloromethane	0.39671	0.39885	0.39885	0.100	0.54043	30.00000	Averaged
64 1-Bromo-2-chloroethane	0.60533	0.57072	0.57072	0.010	-5.71723	30.00000	Averaged
62 2-Chloroethyl vinyl ether	0.31368	0.32471	0.32471	0.010	3.51562	30.00000	Averaged
65 cis-1,3-Dichloropropene	0.54737	0.54059	0.54059	0.100	-1.23887	30.00000	Averaged
$ 67 Toluene-d8	2.37250	1.99684	1.99684	0.100	-15.83430	30.00000	Averaged
68 Toluene +	2.69193	2.59295	2.59295	0.100	-3.67672	20.00000	Averaged
66 4-methyl-2-pentanone	1.05345	0.99923	0.99923	0.100	-5.14702	40.00000	Averaged
78 Tetrachloroethene	0.45056	0.46817	0.46817	0.100	3.90939	30.00000	Averaged
71 trans-1,3-Dichloropropene	1.14742	1.16032	1.16032	0.100	1.12392	30.00000	Averaged
76 1,1,2-Trichloroethane	0.71038	0.68933	0.68933	0.100	-2.96417	30.00000	Averaged
81 Dibromochloromethane	0.78889	0.78403	0.78403	0.100	-0.61544	30.00000	Averaged
79 1,3-Dichloropropane	1.26818	1.22459	1.22459	0.100	-3.43655	30.00000	Averaged
83 1,2-Dibromoethane(EDB)	0.85537	0.82599	0.82599	0.100	-3.43437	30.00000	Averaged
80 2-Hexanone	2.18394	2.07677	2.07677	0.100	-4.90686	40.00000	Averaged
84 1-Chlorohexane	0.43667	0.43204	0.43204	0.100	-1.06066	30.00000	Averaged
86 Chlorobenzene ++	1.73808	1.72040	1.72040	0.300	-1.01726	50.00000	Averaged
87 Ethylbenzene +	0.85610	0.87077	0.87077	0.100	1.71305	20.00000	Averaged
89 1,1,1,2-Tetrachloroethane	0.56607	0.55991	0.55991	0.100	-1.08723	30.00000	Averaged
M 75 Total 1,2-Dichloroethene	0.31017	0.32656	0.32656	0.100	5.28560	30.00000	Averaged
90 p,m-Xylene	1.04743	1.06836	1.06836	0.100	1.99759	30.00000	Averaged
M 77 1-3 Dichloropropene-Total	0.52922	0.52226	0.52226	0.100	-1.31471	30.00000	Averaged
91 o-Xylene	1.06781	1.06971	1.06971	0.100	0.17805	30.00000	Averaged
92 Styrene	1.89813	1.86825	1.86825	0.100	-1.57402	30.00000	Averaged
95 Bromoform ++	0.53726	0.52398	0.52398	0.100	-2.47286	30.00000	Averaged
96 Isopropylbenzene	2.46178	2.56572	2.56572	0.100	4.22202	30.00000	Averaged
$ 98 Bromofluorobenzene	0.64972	0.65917	0.65917	0.100	1.45448	30.00000	Averaged
102 Bromobenzene	1.69805	1.77722	1.77722	0.100	4.66257	30.00000	Averaged
103 n-Propylbenzene	3.96944	4.36024	4.36024	0.100	9.84518	30.00000	Averaged
101 1,1,2,2-Tetrachloroethane++	1.56078	1.51096	1.51096	0.300	-3.19196	30.00000	Averaged
105 2-Chlorotoluene	2.67786	2.88843	2.88843	0.100	7.86349	30.00000	Averaged
107 1,3,5-Trimethylbenzene	2.63083	2.82688	2.82688	0.100	7.45188	30.00000	Averaged
104 1,2,3-Trichloropropane	1.84735	1.80992	1.80992	0.100	-2.02600	30.00000	Averaged
106 trans-1,4-Dichloro-2-Butene	0.42764	0.52680	0.52680	0.100	23.18746	40.00000	Averaged

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 10-DEC-2006 11:58
Lab File ID: v7083.d Init. Cal. Date(s): 01-DEC-2006 09-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 08:09 23:25
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2061210.b/8260Bs0c.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
108 4-Chlorotoluene	2.46277	2.61942	2.61942	0.100	6.36040	30.00000	Averaged
109 tert-butylbenzene	1.64140	1.95611	1.95611	0.100	19.17329	30.00000	Averaged
110 1,2,4-Trimethylbenzene	2.71875	2.83622	2.83622	0.100	4.32046	30.00000	Averaged
112 sec-Butylbenzene	3.46305	3.82513	3.82513	0.100	10.45567	30.00000	Averaged
113 p-Isopropyltoluene	2.76658	3.07630	3.07630	0.100	11.19529	30.00000	Averaged
114 1,3-Dichlorobenzene	1.47551	1.49710	1.49710	0.100	1.46320	30.00000	Averaged
117 1,4-Dichlorobenzene	1.58635	1.60484	1.60484	0.100	1.16587	30.00000	Averaged
119 n-Butylbenzene	2.80116	3.20309	3.20309	0.100	14.34861	30.00000	Averaged
120 1,2-Dichlorobenzene	1.48668	1.50123	1.50123	0.100	0.97821	30.00000	Averaged
121 1,2-Dibromo-3-Chloropropane	0.39393	0.38565	0.38565	0.100	-2.10067	40.00000	Averaged
124 Hexachlorobutadiene	0.42087	0.47928	0.47928	0.100	13.87862	30.00000	Averaged
123 1,2,4-Trichlorobenzene	0.91329	1.00306	1.00306	0.100	9.82947	30.00000	Averaged
125 Napthalene	3.70063	3.78673	3.78673	0.100	2.32652	30.00000	Averaged
126 1,2,3-Trichlorobenzene	0.90679	0.98052	0.98052	0.100	8.13124	30.00000	Averaged
M 127 TOTAL XYLENE	1.05423	1.06881	1.06881	0.100	1.38326	30.00000	Averaged

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7082.d
Lab Smp Id: 1000 Client Smp ID: V0BFB
Inj Date : 10-DEC-2006 11:24
Operator : KCB Inst ID: msv0.i
Smp Info : 1000*V0BFB
Misc Info : MSV~9605~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061210.b/bfb0.m
Meth Date : 03-Oct-2006 19:21 rjo 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		
7.974	8.200	(0.000)	95	32381			100.00- 100.00	100.00
7.974	8.200	(0.000)	50	7969			15.00- 40.00	24.61
7.974	8.200	(0.000)	75	15326			30.00- 60.00	47.33
7.974	8.200	(0.000)	96	2244			5.00- 9.00	6.93
7.974	8.200	(0.000)	173	0			0.00- 2.00	0.00
7.974	8.200	(0.000)	174	21514			50.00- 120.00	66.44
7.974	8.200	(0.000)	175	1584			5.00- 9.00	7.36
7.974	8.200	(0.000)	176	20762			95.00- 101.00	96.50
7.974	8.200	(0.000)	177	1398			5.00- 9.00	6.73

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Data File: /var/chem/msv0.i/2061210.b/v7082.d

Page 1

Date : 10-DEC-2006 11:24

Client ID: V0BFB

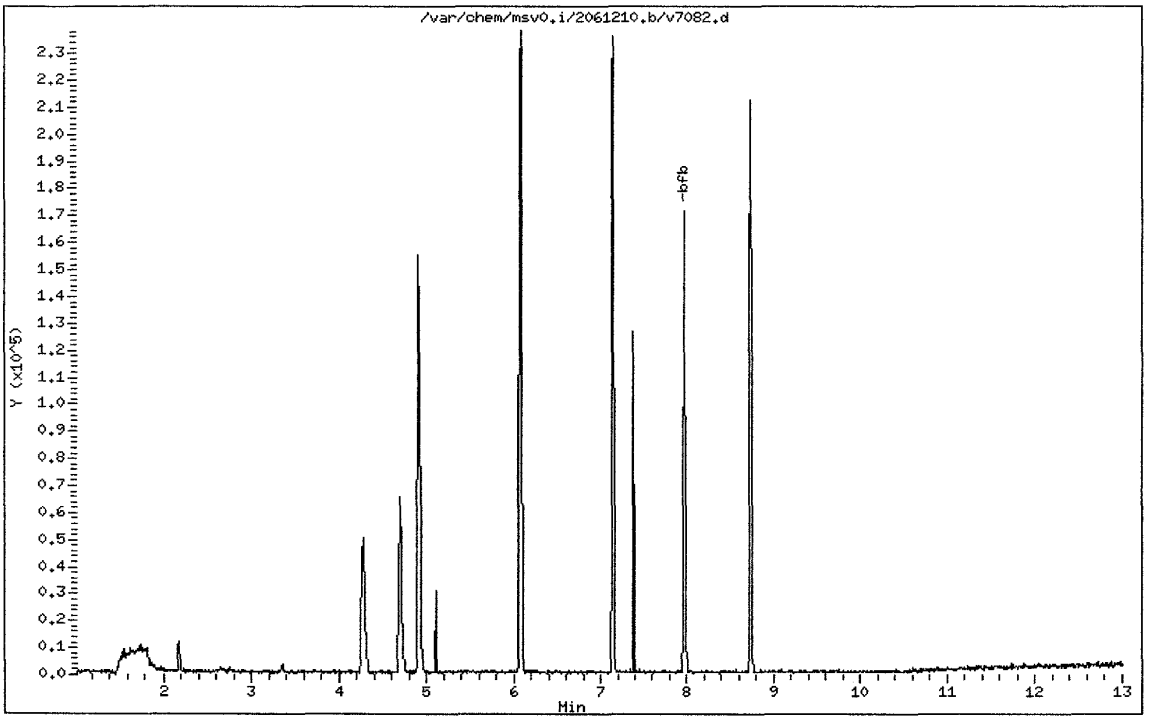
Instrument: msv0.i

Sample Info: 1000*V0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061210.b/v7082.d

Date : 10-DEC-2006 11:24

Client ID: V0BFB

Instrument: msv0.i

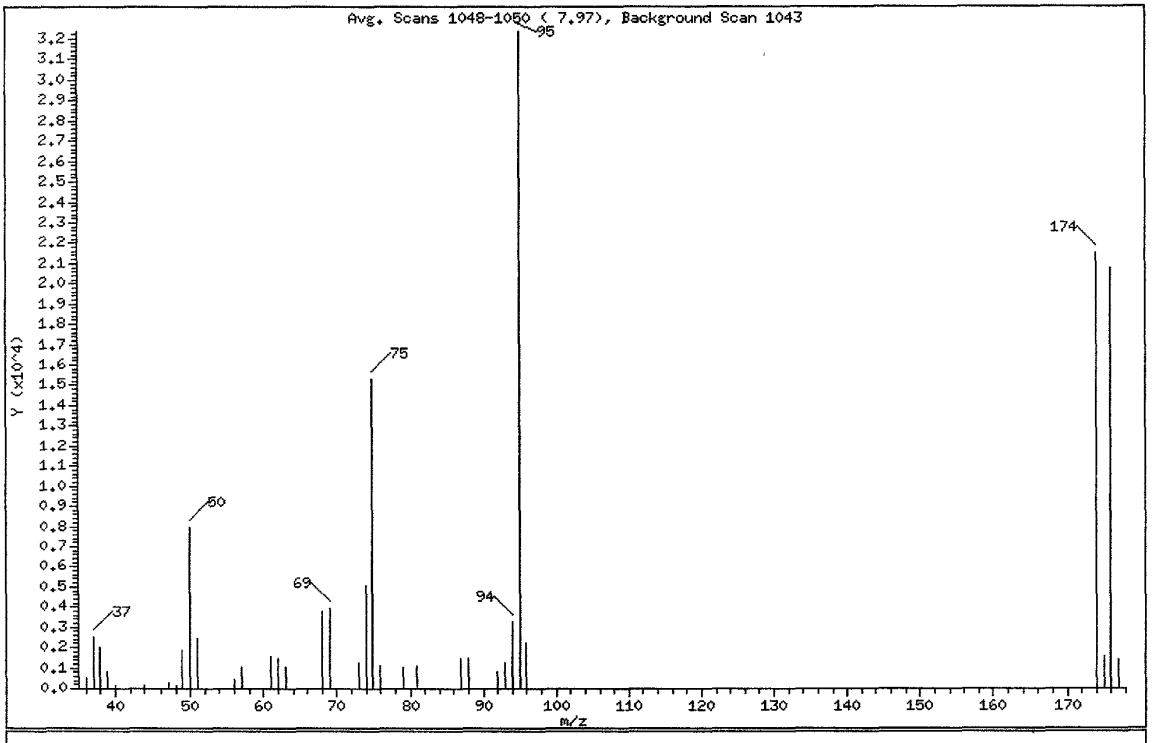
Sample Info: 1000xV0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	24.61
75	30.00 - 60.00% of mass 95	47.33
96	5.00 - 9.00% of mass 95	6.93
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	66.44
175	5.00 - 9.00% of mass 174	4.89 (7.36)
176	95.00 - 101.00% of mass 174	64.12 (96.50)
177	5.00 - 9.00% of mass 176	4.32 (6.73)

Data File: /var/chem/msv0.i/2061210.b/v7082.d

Date : 10-DEC-2006 11:24

Client ID: V0BFB

Instrument: msv0.i

Sample Info: 1000xV0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

Data File: v7082.d
Spectrum: Avg. Scans 1048-1050 (7.97), Background Scan 1043
Location of Maximum: 95.00
Number of points: 35

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	501	50.00	7969	73.00	1276	93.00	1300
37.00	2559	51.00	2436	74.00	5033	94.00	3299
38.00	2040	56.00	460	75.00	15326	95.00	32376
39.00	830	57.00	1015	76.00	1139	96.00	2244
40.00	146	61.00	1589	79.00	1077	174.00	21512
44.00	126	62.00	1515	81.00	1139	175.00	1584
47.00	270	63.00	1016	87.00	1498	176.00	20760
48.00	134	68.00	3793	88.00	1522	177.00	1398
49.00	1857	69.00	3965	92.00	832		

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7083.d
Lab Smp Id: 1400 Client Smp ID: V0STD050
Inj Date : 10-DEC-2006 11:58
Operator : KCB Inst ID: msv0.i
Smp Info : 1400*V0STD050*5-55-6
Misc Info : MSV~9605~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 13:22 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 3 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	1.262	1.262	(0.252)	94055	50.0000	40.7	7660
2 Chloromethane ++	50	1.394	1.394	(0.279)	71679	50.0000	43.8	8885
4 Vinyl Chloride +	62	1.447	1.447	(0.289)	65393	50.0000	49.8	8663
5 Bromomethane	94	1.679	1.679	(0.336)	54682	50.0000	56.6	8384
6 Chloroethane	64	1.772	1.772	(0.354)	32928	50.0000	52.8	8465
7 Trichlorofluoromethane	101	1.871	1.871	(0.374)	71210	50.0000	43.8	9148
11 1,1-Dichloroethene +	96	2.255	2.255	(0.451)	51228	50.0000	46.8	9412
14 Carbon Disulfide	76	2.275	2.275	(0.455)	208358	50.0000	46.1	9209
9 1,1,2Trichlotrifluoroethane	101	2.295	2.295	(0.459)	68609	50.0000	51.7	9385
13 Methyl Iodide	142	2.368	2.368	(0.473)	88315	50.0000	41.2	9555
10 Acrolein	56	2.567	2.567	(0.513)	116192	250.000	453	9199
18 Methylene Chloride	49	2.765	2.765	(0.553)	126371	50.0000	41.1	9088
12 Acetone	43	2.865	2.865	(0.572)	149785	50.0000	58.1	9052

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	2.918	2.918	(0.583)	129651	50.0000	56.7	9454
	16 Methyl Acetate	43	2.984	2.984	(0.596)	268126	50.0000	49.6	9482(M2)
	23 Hexane	57	2.997	2.997	(0.599)	116144	50.0000	54.7	9457
	20 MTBE	73	3.063	3.063	(0.612)	285281	50.0000	51.2	9488
	26 1,1-Dichloroethane ++	63	3.520	3.520	(0.704)	301235	50.0000	53.3	9586
	22 Acrylonitrile	53	3.600	3.600	(0.719)	787813	250.000	272	9882
	27 Vinyl Acetate	43	3.785	3.785	(0.756)	630962	50.0000	131	
	30 cis-1,2-Dichloroethene	61	4.004	4.004	(0.800)	256680	50.0000	50.8	9597
	29 2,2-Dichloropropane	77	4.083	4.083	(0.816)	211023	50.0000	52.9	9698
	39 Cyclohexane	56	4.156	4.156	(0.831)	292673	50.0000	52.7	9637
	34 Bromochloromethane	128	4.169	4.169	(0.833)	95799	50.0000	49.3	9671
	38 Chloroform +	83	4.242	4.242	(0.848)	298400	50.0000	52.4	9436
	42 Carbon Tetrachloride	117	4.328	4.328	(0.865)	177583	50.0000	49.9	9339
$	41 Dibromofluoromethane	111	4.388	4.388	(0.877)	171974	50.0000	40.1	9300
	40 1,1,1-Trichloroethane	97	4.388	4.388	(0.877)	213781	50.0000	55.6	9613
	43 1,1-Dichloropropene	75	4.487	4.487	(0.897)	223339	50.0000	52.1	8228
	31 2-Butanone	43	4.514	4.514	(0.902)	416814	50.0000	43.9	
	46 Benzene	78	4.686	4.686	(0.936)	644156	50.0000	49.0	9819
$	47 1,2-Dichloroethane-d4	67	4.792	4.792	(0.958)	105815	50.0000	41.1	9602
	48 1,2-Dichloroethane	62	4.845	4.845	(0.968)	260564	50.0000	49.2	9675
*	49 FLUOROBENZENE	96	5.004	5.004	(1.000)	591510	50.0000		9779
	52 Methyl cyclohexane	83	5.116	5.116	(1.022)	261408	50.0000	53.5	9403
	50 Trichloroethene	130	5.130	5.130	(1.025)	177969	50.0000	51.2	9579
	58 Dibromomethane	93	5.434	5.434	(1.086)	143740	50.0000	47.5	9296
	54 1,2-Dichloropropane +	63	5.507	5.507	(1.101)	201802	50.0000	48.5	9786
	61 Bromodichloromethane	83	5.560	5.560	(1.111)	235924	50.0000	50.3	9559
	64 1-Bromo-2-chloroethane	63	5.891	5.891	(1.177)	337589	50.0000	47.1	9577
	62 2-Chloroethyl vinyl ether	63	5.964	5.964	(1.192)	192068	50.0000	51.8	9801
	65 cis-1,3-Dichloropropene	75	5.997	5.997	(1.199)	319762	50.0000	49.4	
$	67 Toluene-d8	98	6.123	6.123	(0.853)	512975	50.0000	42.1	9844
	68 Toluene +	91	6.163	6.163	(0.859)	666114	50.0000	48.2	9883
	66 4-methyl-2-pentanone	43	6.428	6.428	(1.285)	591056	50.0000	47.4	
	78 Tetrachloroethene	164	6.421	6.421	(0.895)	120271	50.0000	52.0	9336
	71 trans-1,3-Dichloropropene	75	6.448	6.448	(0.898)	298079	50.0000	50.6	
	76 1,1,2-Trichloroethane	97	6.554	6.554	(0.913)	177084	50.0000	48.5	9554
	81 Dibromochloromethane	129	6.673	6.673	(0.930)	201413	50.0000	49.7	9468
	79 1,3-Dichloropropane	76	6.739	6.739	(0.939)	314591	50.0000	48.3	9691
	83 1,2-Dibromoethane(EDB)	107	6.832	6.832	(0.952)	212193	50.0000	48.3	9839
	80 2-Hexanone	43	6.984	6.984	(0.973)	533511	50.0000	47.5	9784
	84 1-Chlorohexane	91	7.163	7.163	(1.431)	255555	50.0000	49.5	3779(M2)
*	85 Chlorobenzene-d5	82	7.176	7.176	(1.000)	256894	50.0000		7469
	86 Chlorobenzene ++	112	7.183	7.183	(1.001)	441961	50.0000	49.5	8208
	87 Ethylbenzene +	106	7.196	7.196	(1.003)	223695	50.0000	50.9	9710
	89 1,1,1,2-Tetrachloroethane	133	7.229	7.229	(1.007)	143838	50.0000	49.5	9407
M	75 Total 1,2-Dichloroethene	61				386331	100.000	108	0
	90 p,m-Xylene	106	7.295	7.295	(1.017)	548909	100.000	102	9742
M	77 1-3 Dichloropropene-Total	100				617841	100.000	99.9	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	AMOUNTS ON-COL (ppb)	SIMILARITY
91	o-Xylene	106	7.587	7.587	(1.057)	274803	50.0000	50.1	
92	Styrene	104	7.620	7.620	(1.062)	479943	50.0000	49.2	9614
95	Bromoform ++	173	7.646	7.646	(1.066)	134607	50.0000	48.8	8854
96	Isopropylbenzene	105	7.792	7.792	(1.086)	659117	50.0000	52.1	9619
$ 98	Bromofluorobenzene	174	7.991	7.991	(1.114)	169336	50.0000	50.7	9026
102	Bromobenzene	77	8.064	8.064	(0.921)	360059	50.0000	52.3	9044
103	n-Propylbenzene	91	8.070	8.070	(0.922)	883371	50.0000	54.9	9308
101	1,1,2,2-Tetrachloroethane++	83	8.123	8.123	(0.928)	306116	50.0000	48.4	9407
105	2-Chlorotoluene	91	8.190	8.190	(0.936)	585187	50.0000	53.9	9536
107	1,3,5-Trimethylbenzene	105	8.203	8.203	(0.937)	572717	50.0000	53.7	
104	1,2,3-Trichloropropane	75	8.223	8.223	(0.939)	366685	50.0000	49.0	9573
106	trans-1,4-Dichloro-2-Butene	53	8.243	8.243	(0.942)	106729	50.0000	61.6	8824
108	4-Chlorotoluene	91	8.296	8.296	(0.948)	530686	50.0000	53.2	9555
109	tert-butylbenzene	91	8.421	8.421	(0.962)	396302	50.0000	59.6	9506
110	1,2,4-Trimethylbenzene	105	8.468	8.468	(0.967)	574609	50.0000	52.2	
112	sec-Butylbenzene	105	8.541	8.541	(0.976)	774960	50.0000	55.2	
113	p-Isopropyltoluene	119	8.633	8.633	(0.986)	623250	50.0000	55.6	9544
114	1,3-Dichlorobenzene	146	8.706	8.706	(0.995)	303307	50.0000	50.7	
* 115	1,4-DICHLOROBENZENE-D4	152	8.753	8.753	(1.000)	202597	50.0000		7007
117	1,4-Dichlorobenzene	146	8.766	8.766	(1.002)	325136	50.0000	50.6	
119	n-Butylbenzene	91	8.918	8.918	(1.019)	648937	50.0000	57.2	9658
120	1,2-Dichlorobenzene	146	9.044	9.044	(1.033)	304144	50.0000	50.5	
121	1,2-Dibromo-3-Chloropropane	157	9.554	9.554	(1.092)	78132	50.0000	48.9	8946
124	Hexachlorobutadiene	225	9.938	9.938	(1.135)	97100	50.0000	56.9	9434
123	1,2,4-Trichlorobenzene	180	9.965	9.965	(1.138)	203217	50.0000	54.9	
125	Napthalene	128	10.163	10.163	(1.161)	767180	50.0000	51.2	9460
126	1,2,3-Trichlorobenzene	180	10.276	10.276	(1.174)	198651	50.0000	54.1	
M 127	TOTAL XYLENE	106				823712	150.000	152	0

QC Flag Legend

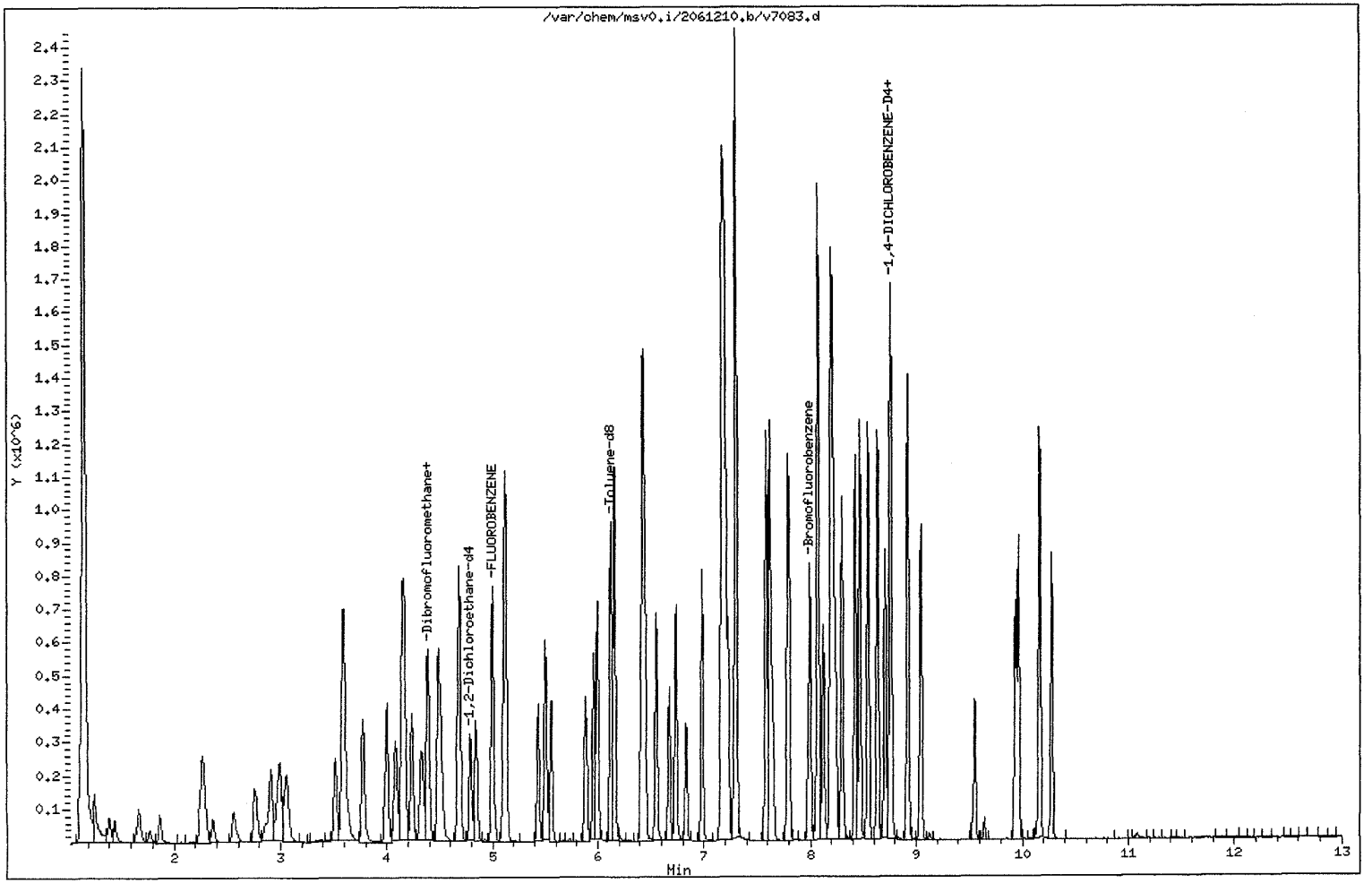
M2- Compound response manually integrated because Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2061210.b/v7083.d
Date : 10-DEC-2006 11:58
Client ID: VOSTD050
Sample Info: 1400xVOSTD050x5-55-6

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB
Column diameter: 0.53

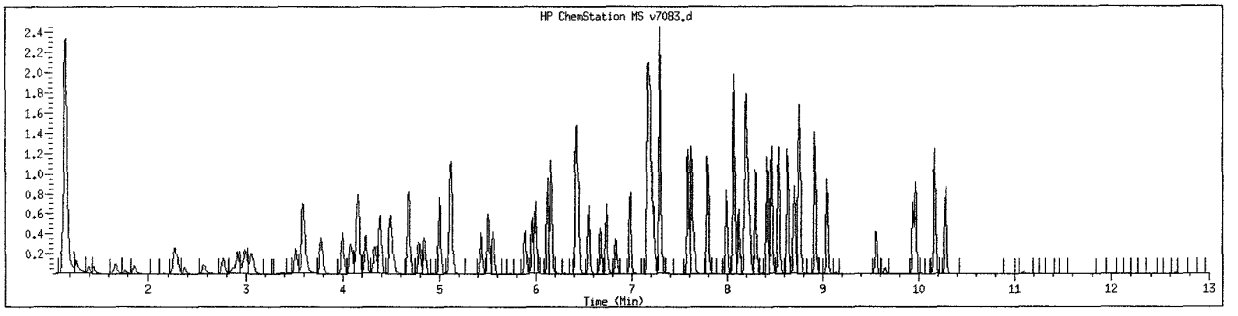


034357

Data file : /var/chem/msv0.i/2061210.b/v7083.d Page: 1
Report Date: 12/10/2006 13:22

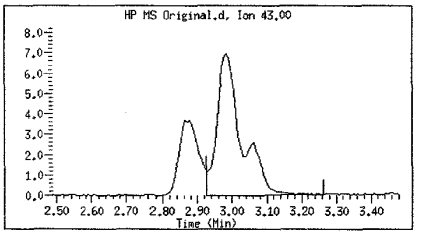
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 10-DEC-2006 11:58 Instrument : msv0.i
Operator : KCB
Sample Info : 1400*V0STD050*5-55-6
Misc Info : MSV~9605~*1*JCK
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



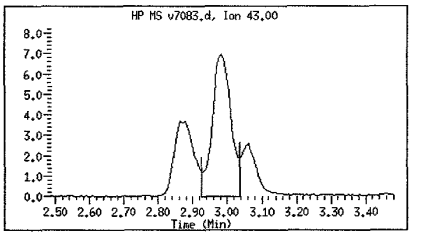
Original Final

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

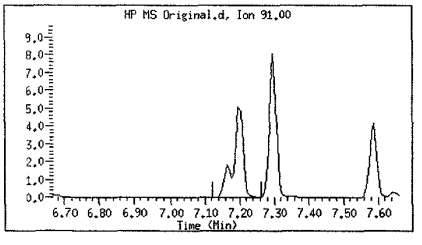


Electronic Signature Applied

User: kcb
Date: 10-Dec-2006 12:09



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



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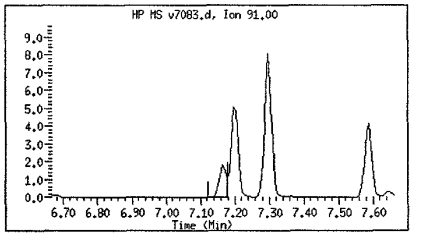
User: kcb
Date: 10-Dec-2006 12:10



000273

034358

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

034359

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 11-DEC-2006 08:29
Lab File ID: v7120.d Init. Cal. Date(s): 01-DEC-2006 09-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 08:09 23:25
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2061211.b/8260Bs0c.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
1 Dichlorodifluoromethane	0.19549	0.15161	0.15161	0.010	-22.44592	30.00000	Averaged	
2 Chloromethane ++	0.13839	0.11294	0.11294	0.100	-18.38559	50.00000	Averaged	
4 Vinyl Chloride +	0.11107	0.10877	0.10877	0.010	-2.06999	20.00000	Averaged	
5 Bromomethane	0.08167	0.04248	0.04248	0.005	-47.98986	30.00000	Averaged	<-
6 Chloroethane	81.84504	50.00000	0.08701	0.010	63.69009	0.000e+00	Linear	<-
7 Trichlorofluoromethane	50.39043	50.00000	0.13683	0.010	0.78086	0.000e+00	Quadratic	<-
11 1,1-Dichloroethene +	0.09250	0.09457	0.09457	0.010	2.23774	20.00000	Averaged	
14 Carbon Disulfide	0.38184	0.37180	0.37180	0.100	-2.62953	30.00000	Averaged	
9 1,1,2Trichlotrifluoroethane	53.71981	50.00000	0.12032	0.010	7.43962	0.000e+00	Linear	<-
13 Methyl Iodide	15.66667	50.00000	0.05195	0.010	-68.66667	0.000e+00	Linear	<-
10 Acrolein	0.02168	0.04441	0.04441	0.001	105	40.00000	Averaged	<-
18 Methylene Chloride	0.25968	0.24804	0.24804	0.100	-4.48231	30.00000	Averaged	
12 Acetone	68.70031	50.00000	0.28869	0.010	37.40063	0.000e+00	Quadratic	<-
21 trans-1,2-Dichloroethene	0.19329	0.23878	0.23878	0.100	23.52942	30.00000	Averaged	
16 Methyl Acetate	0.45669	0.49775	0.49775	0.010	8.99071	30.00000	Averaged	
23 Hexane	0.17940	0.22922	0.22922	0.100	27.77040	30.00000	Averaged	
20 MTBE	0.47105	0.55316	0.55316	0.100	17.42954	30.00000	Averaged	
26 1,1-Dichloroethane ++	0.47734	0.50894	0.50894	0.100	6.61936	30.00000	Averaged	
22 Acrylonitrile	0.24501	0.27031	0.27031	0.010	10.32672	40.00000	Averaged	
27 Vinyl Acetate	0.40780	1.06671	1.06671	0.100	162	30.00000	Averaged	<-
30 cis-1,2-Dichloroethene	0.42704	0.44016	0.44016	0.100	3.07188	30.00000	Averaged	
29 2,2-Dichloropropane	0.33691	0.35394	0.35394	0.100	5.05559	30.00000	Averaged	
39 Cyclohexane	0.46920	0.46287	0.46287	0.100	-1.34988	30.00000	Averaged	
34 Bromochloromethane	0.16440	0.16118	0.16118	0.050	-1.95878	30.00000	Averaged	
38 Chloroform +	0.48097	0.48785	0.48785	0.100	1.43090	20.00000	Averaged	
42 Carbon Tetrachloride	0.30111	0.30891	0.30891	0.100	2.58927	30.00000	Averaged	
$ 41 Dibromofluoromethane	0.36219	0.33789	0.33789	0.100	-6.71112	30.00000	Averaged	
40 1,1,1-Trichloroethane	0.32521	0.33993	0.33993	0.100	4.52580	30.00000	Averaged	
43 1,1-Dichloropropene	0.36257	0.36049	0.36049	0.100	-0.57309	30.00000	Averaged	
31 2-Butanone	0.80202	0.75046	0.75046	0.050	-6.42810	40.00000	Averaged	
46 Benzene	1.11101	1.05675	1.05675	0.100	-4.88336	30.00000	Averaged	
$ 47 1,2-Dichloroethane-d4	0.21758	0.21012	0.21012	0.010	-3.42759	30.00000	Averaged	
48 1,2-Dichloroethane	0.44742	0.46775	0.46775	0.100	4.54351	30.00000	Averaged	
52 Methyl cyclohexane	0.41301	0.39099	0.39099	0.100	-5.33194	30.00000	Averaged	
50 Trichloroethene	0.29376	0.29423	0.29423	0.100	0.16147	30.00000	Averaged	

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 11-DEC-2006 08:29
Lab File ID: v7120.d Init. Cal. Date(s): 01-DEC-2006 09-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 08:09 23:25
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2061211.b/8260Bs0c.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
58 Dibromomethane	0.25557	0.25146	0.25146	0.100	-1.60752	30.00000	Averaged
54 1,2-Dichloropropane +	0.35145	0.34011	0.34011	0.100	-3.22729	20.00000	Averaged
61 Bromodichloromethane	0.39671	0.40139	0.40139	0.100	1.18049	30.00000	Averaged
64 1-Bromo-2-chloroethane	0.60533	0.57501	0.57501	0.010	-5.00948	30.00000	Averaged
62 2-Chloroethyl vinyl ether	0.31368	0.32810	0.32810	0.010	4.59822	30.00000	Averaged
65 cis-1,3-Dichloropropene	0.54737	0.53326	0.53326	0.100	-2.57775	30.00000	Averaged
$ 67 Toluene-d8	2.37250	2.07392	2.07392	0.100	-12.58540	30.00000	Averaged
68 Toluene +	2.69193	2.40518	2.40518	0.100	-10.65206	20.00000	Averaged
66 4-methyl-2-pentanone	1.05345	1.06118	1.06118	0.100	0.73335	40.00000	Averaged
78 Tetrachloroethene	0.45056	0.41982	0.41982	0.100	-6.82239	30.00000	Averaged
71 trans-1,3-Dichloropropene	1.14742	1.14313	1.14313	0.100	-0.37394	30.00000	Averaged
76 1,1,2-Trichloroethane	0.71038	0.67193	0.67193	0.100	-5.41316	30.00000	Averaged
81 Dibromochloromethane	0.78889	0.74930	0.74930	0.100	-5.01844	30.00000	Averaged
79 1,3-Dichloropropane	1.26818	1.19448	1.19448	0.100	-5.81095	30.00000	Averaged
83 1,2-Dibromoethane(EDB)	0.85537	0.80234	0.80234	0.100	-6.20015	30.00000	Averaged
80 2-Hexanone	2.18394	2.11261	2.11261	0.100	-3.26580	40.00000	Averaged
84 1-Chlorohexane	0.43667	0.40107	0.40107	0.100	-8.15168	30.00000	Averaged
86 Chlorobenzene ++	1.73808	1.60241	1.60241	0.300	-7.80562	50.00000	Averaged
87 Ethylbenzene +	0.85610	0.80914	0.80914	0.100	-5.48571	20.00000	Averaged
89 1,1,1,2-Tetrachloroethane	0.56607	0.53298	0.53298	0.100	-5.84471	30.00000	Averaged
M 75 Total 1,2-Dichloroethene	0.31017	0.33947	0.33947	0.100	9.44637	30.00000	Averaged
90 p,m-Xylene	1.04743	0.98694	0.98694	0.100	-5.77582	30.00000	Averaged
M 77 1-3 Dichloropropene-Total	0.52922	0.52246	0.52246	0.100	-1.27573	30.00000	Averaged
91 o-Xylene	1.06781	0.99730	0.99730	0.100	-6.60380	30.00000	Averaged
92 Styrene	1.89813	1.75374	1.75374	0.100	-7.60716	30.00000	Averaged
95 Bromoform ++	0.53726	0.50695	0.50695	0.100	-5.64320	30.00000	Averaged
96 Isopropylbenzene	2.46178	2.37584	2.37584	0.100	-3.49086	30.00000	Averaged
$ 98 Bromofluorobenzene	0.64972	0.58582	0.58582	0.100	-9.83402	30.00000	Averaged
102 Bromobenzene	1.69805	1.70459	1.70459	0.100	0.38568	30.00000	Averaged
103 n-Propylbenzene	3.96944	3.98344	3.98344	0.100	0.35276	30.00000	Averaged
101 1,1,2,2-Tetrachloroethane++	1.56078	1.47052	1.47052	0.300	-5.78281	30.00000	Averaged
105 2-Chlorotoluene	2.67786	2.69115	2.69115	0.100	0.49645	30.00000	Averaged
107 1,3,5-Trimethylbenzene	2.63083	2.69019	2.69019	0.100	2.25613	30.00000	Averaged
104 1,2,3-Trichloropropane	1.84735	1.78817	1.78817	0.100	-3.20379	30.00000	Averaged
106 trans-1,4-Dichloro-2-Butene	0.42764	0.40528	0.40528	0.100	-5.23051	40.00000	Averaged

000276

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: msv0.i Injection Date: 11-DEC-2006 08:29
Lab File ID: v7120.d Init. Cal. Date(s): 01-DEC-2006 09-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 08:09 23:25
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/msv0.i/2061211.b/8260Bs0c.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
108 4-Chlorotoluene	2.46277	2.42975	2.42975	0.100	-1.34088	30.00000	Averaged
109 tert-butylbenzene	1.64140	1.80627	1.80627	0.100	10.04457	30.00000	Averaged
110 1,2,4-Trimethylbenzene	2.71875	2.69644	2.69644	0.100	-0.82078	30.00000	Averaged
112 sec-Butylbenzene	3.46305	3.56763	3.56763	0.100	3.01988	30.00000	Averaged
113 p-Isopropyltoluene	2.76658	2.84081	2.84081	0.100	2.68314	30.00000	Averaged
114 1,3-Dichlorobenzene	1.47551	1.38154	1.38154	0.100	-6.36831	30.00000	Averaged
117 1,4-Dichlorobenzene	1.58635	1.49821	1.49821	0.100	-5.55597	30.00000	Averaged
119 n-Butylbenzene	2.80116	2.96069	2.96069	0.100	5.69492	30.00000	Averaged
120 1,2-Dichlorobenzene	1.48668	1.41301	1.41301	0.100	-4.95535	30.00000	Averaged
121 1,2-Dibromo-3-Chloropropane	0.39393	0.37012	0.37012	0.100	-6.04465	40.00000	Averaged
124 Hexachlorobutadiene	0.42087	0.43654	0.43654	0.100	3.72524	30.00000	Averaged
123 1,2,4-Trichlorobenzene	0.91329	0.94328	0.94328	0.100	3.28427	30.00000	Averaged
125 Napthalene	3.70063	3.62529	3.62529	0.100	-2.03607	30.00000	Averaged
126 1,2,3-Trichlorobenzene	0.90679	0.93548	0.93548	0.100	3.16382	30.00000	Averaged
M 127 TOTAL XYLENE	1.05423	0.99039	0.99039	0.100	-6.05537	30.00000	Averaged

034362

GCAL, Inc.

Data file : /var/chem/msv0.i/2061211.b/v7119.d
Lab Smp Id: 1000 Client Smp ID: V0BFB
Inj Date : 11-DEC-2006 07:41
Operator : KCB Inst ID: msv0.i
Smp Info : 1000*V0BFB
Misc Info : MSV~9609~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061211.b/bfb0.m
Meth Date : 03-Oct-2006 19:21 rjo 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		
7.983	8.200	(0.000)	95	23932			100.00- 100.00	100.00
7.983	8.200	(0.000)	50	6784			15.00- 40.00	28.35
7.983	8.200	(0.000)	75	11990			30.00- 60.00	50.10
7.983	8.200	(0.000)	96	1779			5.00- 9.00	7.43
7.983	8.200	(0.000)	173	0			0.00- 2.00	0.00
7.983	8.200	(0.000)	174	16262			50.00- 120.00	67.95
7.983	8.200	(0.000)	175	1123			5.00- 9.00	6.91
7.983	8.200	(0.000)	176	15670			95.00- 101.00	96.36
7.983	8.200	(0.000)	177	983			5.00- 9.00	6.27

000278

Data File: /var/chem/msv0.i/2061211.b/v7119.d

Date : 11-DEC-2006 07:41

Client ID: V0BFB

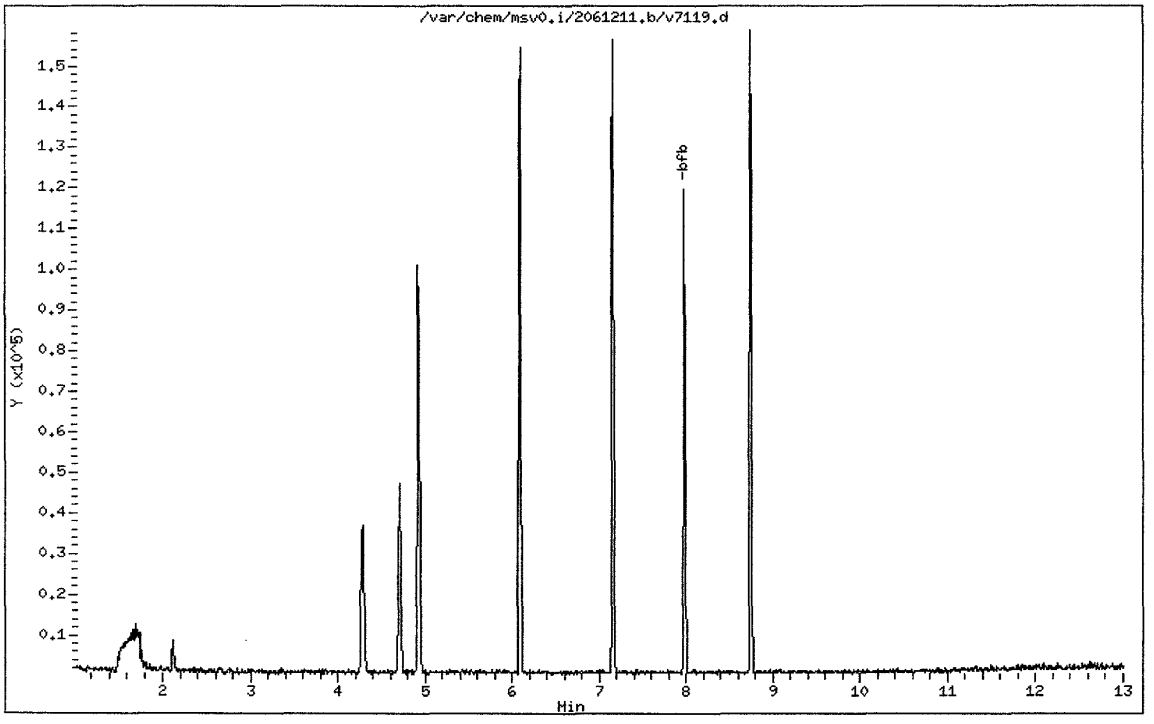
Instrument: msv0.i

Sample Info: 1000xV0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53



Data File: /var/chem/msv0.i/2061211.b/v7119.d

Date : 11-DEC-2006 07:41

Client ID: V0BFB

Instrument: msv0.i

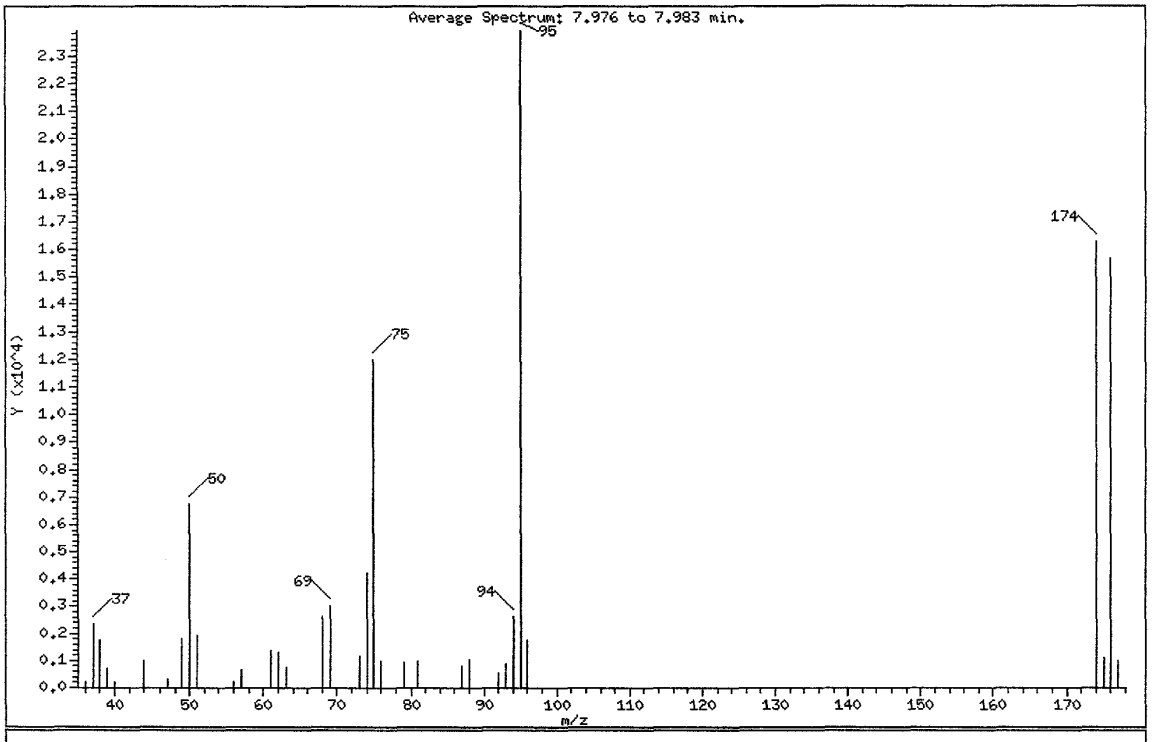
Sample Info: 1000xV0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

1 bfb



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
95	Base Peak, 100% relative abundance	100.00
50	15.00 - 40.00% of mass 95	28.35
75	30.00 - 60.00% of mass 95	50.10
96	5.00 - 9.00% of mass 95	7.43
173	Less than 2.00% of mass 174	0.00 (0.00)
174	50.00 - 120.00% of mass 95	67.95
175	5.00 - 9.00% of mass 174	4.69 (6.91)
176	95.00 - 101.00% of mass 174	65.48 (96.36)
177	5.00 - 9.00% of mass 176	4.11 (6.27)

Data File: /var/chem/msv0.i/2061211.b/v7119.d

Date : 11-DEC-2006 07:41

Client ID: V0BFB

Instrument: msv0.i

Sample Info: 1000*V0BFB

Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

Data File: v7119.d
Spectrum: Average Spectrum: 7.976 to 7.983 min.
Location of Maximum: 95.00
Number of points: 34

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	229	51.00	1919	74.00	4258	94.00	2627
37.00	2368	56.00	222	75.00	11990	95.00	23928
38.00	1772	57.00	686	76.00	995	96.00	1779
39.00	737	61.00	1380	79.00	929	174.00	16262
40.00	228	62.00	1326	81.00	973	175.00	1123
44.00	985	63.00	776	87.00	821	176.00	15670
47.00	319	68.00	2666	88.00	1040	177.00	983
49.00	1810	69.00	3023	92.00	539		
50.00	6784	73.00	1143	93.00	870		

GCAL, Inc.

Data file : /var/chem/msv0.i/2061211.b/v7120.d
Lab Smp Id: 1400 Client Smp ID: V0STD050
Inj Date : 11-DEC-2006 08:29
Operator : KCB Inst ID: msv0.i
Smp Info : 1400*V0STD050*5-55-6
Misc Info : MSV~9609~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Meth Date : 11-Dec-2006 14:24 ajv Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.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	1.264	1.264	(0.252)	87439	50.0000	38.8	8102
2 Chloromethane ++	50	1.396	1.396	(0.279)	65138	50.0000	40.8	8877
4 Vinyl Chloride +	62	1.456	1.456	(0.291)	62729	50.0000	49.0	8771
5 Bromomethane	94	1.681	1.681	(0.336)	24498	50.0000	26.0	6990
6 Chloroethane	64	1.774	1.774	(0.354)	50180	50.0000	81.8	8374
7 Trichlorofluoromethane	101	1.873	1.873	(0.374)	78912	50.0000	50.4	9209
11 1,1-Dichloroethene +	96	2.257	2.257	(0.451)	54540	50.0000	51.1	9191
14 Carbon Disulfide	76	2.277	2.277	(0.455)	214430	50.0000	48.7	9486
9 1,1,2Trichlotrifluoroethane	101	2.297	2.297	(0.459)	69392	50.0000	53.7	9528
13 Methyl Iodide	142	2.370	2.370	(0.473)	29963	50.0000	15.7	9216
10 Acrolein	56	2.569	2.569	(0.513)	128060	250.000	512	9268(A)
18 Methylene Chloride	49	2.767	2.767	(0.553)	143053	50.0000	47.8	9356
12 Acetone	43	2.867	2.867	(0.573)	166495	50.0000	68.7	9353

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	2.920	2.920	(0.583)	137709	50.0000	61.8	9451
	16 Methyl Acetate	43	2.979	2.979	(0.595)	287064	50.0000	54.5	8234(M2)
	23 Hexane	57	3.006	3.006	(0.600)	132200	50.0000	63.9	9307(M2)
	20 MTBE	73	3.065	3.065	(0.612)	319022	50.0000	58.7	9680
	26 1,1-Dichloroethane ++	63	3.522	3.522	(0.704)	293519	50.0000	53.3	9634
	22 Acrylonitrile	53	3.602	3.602	(0.720)	779470	250.000	276	9883
	27 Vinyl Acetate	43	3.787	3.787	(0.757)	615202	50.0000	131	
	30 cis-1,2-Dichloroethene	61	4.006	4.006	(0.800)	253854	50.0000	51.5	9561
	29 2,2-Dichloropropane	77	4.092	4.092	(0.817)	204129	50.0000	52.5	9604
	39 Cyclohexane	56	4.158	4.158	(0.831)	266950	50.0000	49.3	9578
	34 Bromochloromethane	128	4.171	4.171	(0.833)	92959	50.0000	49.0	9650
	38 Chloroform +	83	4.244	4.244	(0.848)	281360	50.0000	50.7	9486
	42 Carbon Tetrachloride	117	4.337	4.337	(0.866)	178158	50.0000	51.3	9388
$	41 Dibromofluoromethane	111	4.390	4.390	(0.877)	194869	50.0000	46.6	9565
	40 1,1,1-Trichloroethane	97	4.397	4.397	(0.878)	196046	50.0000	52.3	9563
	43 1,1-Dichloropropene	75	4.496	4.496	(0.898)	207905	50.0000	49.7	8848
	31 2-Butanone	43	4.516	4.516	(0.902)	432813	50.0000	46.8	
	46 Benzene	78	4.688	4.688	(0.936)	609461	50.0000	47.6	9921
$	47 1,2-Dichloroethane-d4	67	4.794	4.794	(0.958)	121185	50.0000	48.3	9563
	48 1,2-Dichloroethane	62	4.847	4.847	(0.968)	269765	50.0000	52.3	9616
*	49 FLUOROBENZENE	96	5.006	5.006	(1.000)	576729	50.0000		9730
	52 Methyl cyclohexane	83	5.119	5.119	(1.022)	225495	50.0000	47.3	9431
	50 Trichloroethene	130	5.132	5.132	(1.025)	169692	50.0000	50.1	9521
	58 Dibromomethane	93	5.436	5.436	(1.086)	145027	50.0000	49.2	9098
	54 1,2-Dichloropropane +	63	5.509	5.509	(1.101)	196149	50.0000	48.4	9803
	61 Bromodichloromethane	83	5.562	5.562	(1.111)	231493	50.0000	50.6	9519
	64 1-Bromo-2-chloroethane	63	5.893	5.893	(1.177)	331624	50.0000	47.5	9575
	62 2-Chloroethyl vinyl ether	63	5.966	5.966	(1.192)	189227	50.0000	52.3	9722
	65 cis-1,3-Dichloropropene	75	5.999	5.999	(1.198)	307545	50.0000	48.7	
$	67 Toluene-d8	98	6.125	6.125	(0.854)	535373	50.0000	43.7	9707
	68 Toluene +	91	6.165	6.165	(0.860)	620888	50.0000	44.7	9779
	66 4-methyl-2-pentanone	43	6.423	6.423	(1.283)	612013	50.0000	50.4	
	78 Tetrachloroethene	164	6.423	6.423	(0.896)	108375	50.0000	46.6	9104
	71 trans-1,3-Dichloropropene	75	6.450	6.450	(0.899)	295095	50.0000	49.8	
	76 1,1,2-Trichloroethane	97	6.556	6.556	(0.914)	173456	50.0000	47.3	9524
	81 Dibromochloromethane	129	6.675	6.675	(0.931)	193428	50.0000	47.5	9341
	79 1,3-Dichloropropane	76	6.741	6.741	(0.940)	308351	50.0000	47.1	9647
	83 1,2-Dibromoethane(EDB)	107	6.834	6.834	(0.953)	207120	50.0000	46.9	9818
	80 2-Hexanone	43	6.986	6.986	(0.974)	545363	50.0000	48.4	9754
	84 1-Chlorohexane	91	7.165	7.165	(1.431)	231311	50.0000	45.9	3848(M2)
*	85 Chlorobenzene-d5	82	7.172	7.172	(1.000)	258146	50.0000		7929
	86 Chlorobenzene ++	112	7.185	7.185	(1.002)	413657	50.0000	46.1	8115
	87 Ethylbenzene +	106	7.205	7.205	(1.005)	208876	50.0000	47.3	8831
	89 1,1,1,2-Tetrachloroethane	133	7.231	7.231	(1.008)	137587	50.0000	47.1	9326
M	75 Total 1,2-Dichloroethene	61				391563	100.000	113	0
	90 p,m-Xylene	106	7.298	7.298	(1.018)	509547	100.000	94.2	9701
M	77 1-3 Dichloropropene-Total	100				602640	100.000	98.5	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppb)	ON-COL (ppb)	SIMILARITY
91	o-Xylene	106	7.589	7.589	(1.058)	257448	50.0000	46.7	
92	Styrene	104	7.622	7.622	(1.063)	452720	50.0000	46.2	9551
95	Bromoform ++	173	7.649	7.649	(1.066)	130866	50.0000	47.2	8822
96	Isopropylbenzene	105	7.794	7.794	(1.087)	613314	50.0000	48.3	9578
$ 98	Bromofluorobenzene	174	7.993	7.993	(1.115)	151228	50.0000	45.1	9026
102	Bromobenzene	77	8.066	8.066	(0.921)	350318	50.0000	50.2	8976
103	n-Propylbenzene	91	8.072	8.072	(0.922)	818653	50.0000	50.2	9283
101	1,1,2,2-Tetrachloroethane++	83	8.125	8.125	(0.928)	302213	50.0000	47.1	9471
105	2-Chlorotoluene	91	8.185	8.185	(0.935)	553069	50.0000	50.2	7986
107	1,3,5-Trimethylbenzene	105	8.205	8.205	(0.937)	552871	50.0000	51.1	
104	1,2,3-Trichloropropane	75	8.218	8.218	(0.939)	367493	50.0000	48.4	8715
106	trans-1,4-Dichloro-2-Butene	53	8.245	8.245	(0.942)	83290	50.0000	47.4	8794
108	4-Chlorotoluene	91	8.298	8.298	(0.948)	499348	50.0000	49.3	9464
109	tert-butylbenzene	91	8.423	8.423	(0.962)	371214	50.0000	55.0	9472
110	1,2,4-Trimethylbenzene	105	8.470	8.470	(0.967)	554156	50.0000	49.6	
112	sec-Butylbenzene	105	8.543	8.543	(0.976)	733197	50.0000	51.5	
113	p-Isopropyltoluene	119	8.635	8.635	(0.986)	583826	50.0000	51.3	9503
114	1,3-Dichlorobenzene	146	8.708	8.708	(0.995)	283926	50.0000	46.8	
* 115	1,4-DICHLOROBENZENE-D4	152	8.755	8.755	(1.000)	205514	50.0000		6992
117	1,4-Dichlorobenzene	146	8.761	8.761	(1.001)	307903	50.0000	47.2	
119	n-Butylbenzene	91	8.920	8.920	(1.019)	608463	50.0000	52.8	9618
120	1,2-Dichlorobenzene	146	9.046	9.046	(1.033)	290394	50.0000	47.5	
121	1,2-Dibromo-3-Chloropropane	157	9.556	9.556	(1.092)	76064	50.0000	47.0	8990
124	Hexachlorobutadiene	225	9.940	9.940	(1.135)	89716	50.0000	51.9	9423
123	1,2,4-Trichlorobenzene	180	9.967	9.967	(1.138)	193858	50.0000	51.6	
125	Napthalene	128	10.172	10.172	(1.162)	745047	50.0000	49.0	9558
126	1,2,3-Trichlorobenzene	180	10.285	10.285	(1.175)	192254	50.0000	51.6	
M 127	TOTAL XYLENE	106				766995	150.000	141	0

QC Flag Legend

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

Data File: /var/chem/msv0.i/2061211.b/v7120.d

Date : 11-DEC-2006 08:29

Client ID: V0STD050

Sample Info: 1400*V0STD050*5-55-6

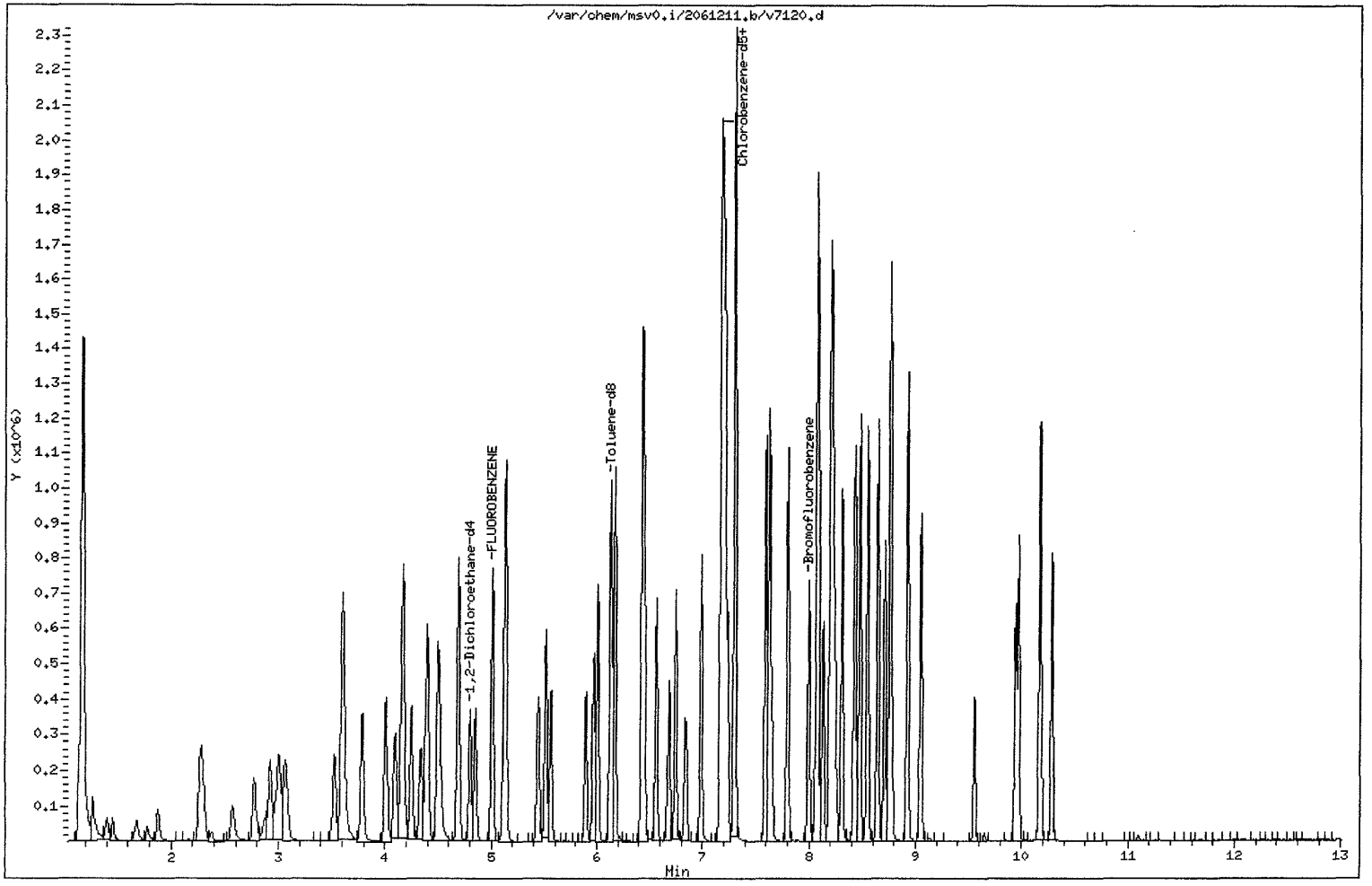
Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB

Column diameter: 0.53

000285

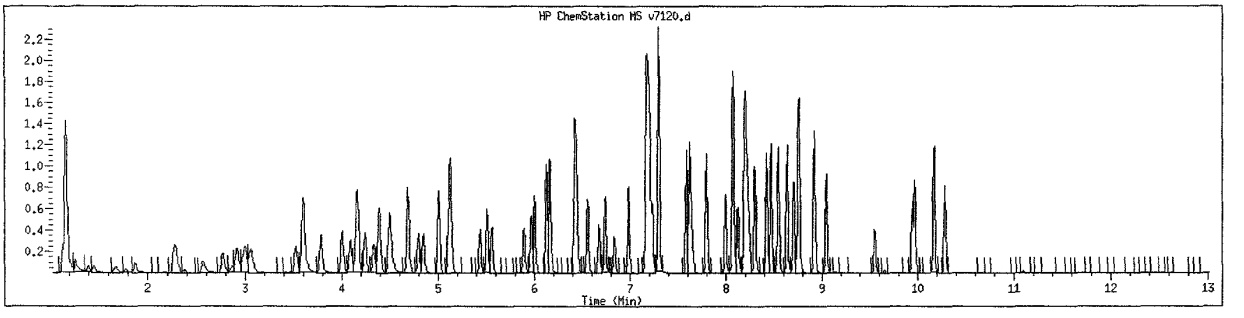


034370

Data file : /var/chem/msv0.i/2061211.b/v7120.d Page: 1
Report Date: 12/11/2006 14:24

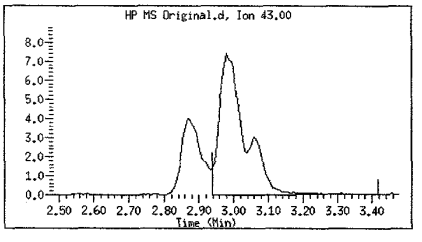
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_3
Injection Date: 11-DEC-2006 08:29 Instrument : msv0.i
Operator : KCB
Sample Info : 1400*V0STD050*5-55-6
Misc Info : MSV~9609~*1*JCK
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



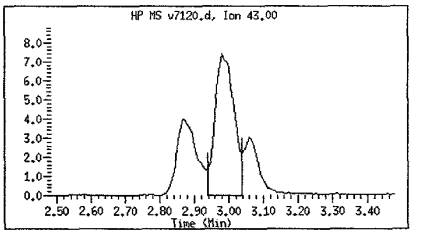
Original Final

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

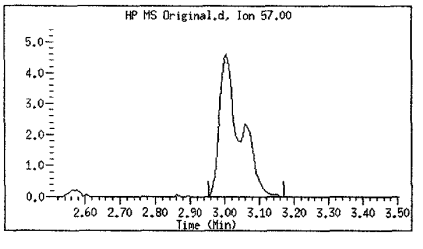


Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 11:03

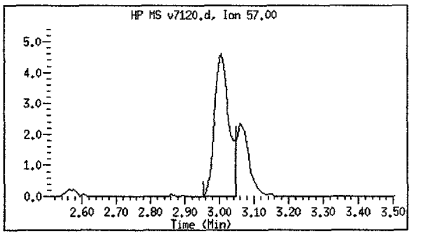


23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 11:04

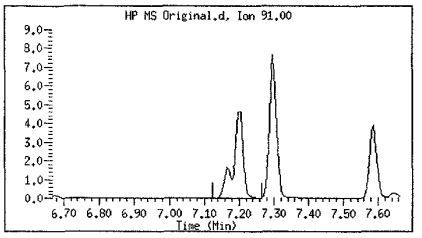


000286

034371

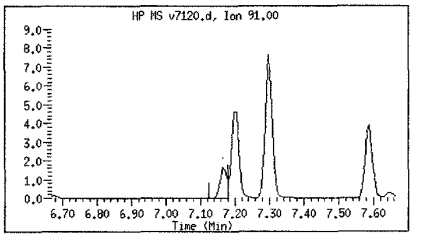
Original Final

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



Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 11:04



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

000287

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB437303

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 437303

Level: (low/med) LOW Lab File ID: 2061210/v7088

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 1401

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.018	J	0.000374	0.025
107-02-8	Acrolein	0.025	U	0.00234	0.025
107-13-1	Acrylonitrile	0.025	U	0.000712	0.025
75-27-4	Bromodichloromethane	0.00500	U	0.000135	0.00500
75-25-2	Bromoform	0.00500	U	0.000169	0.00500
74-83-9	Bromomethane	0.00500	U	0.00151	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000109	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000120	0.00500
75-00-3	Chloroethane	0.00500	U	0.000606	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000398	0.00500
67-66-3	Chloroform	0.00500	U	0.000141	0.00500
74-87-3	Chloromethane	0.00500	U	0.000464	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000090	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000164	0.00500
75-09-2	Methylene chloride	0.00128	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	0.00193	J	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.

MB437303

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 437303

Level: (low/med) LOW

Lab File ID: 2061210/v7088

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1401

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

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	0.00210	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.

MB437303

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

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: 437303

Lab File ID: 2061210/v7088

Date Collected: Time:

Date Received:

Date Analyzed: 12/10/06 Time: 1401

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000421	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.00125	0.00500
91-20-3	Naphthalene	0.00500	U	0.000376	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.00100	0.025
75-35-4	1,1-Dichloroethene	0.00500	U	0.000359	0.00500
71-43-2	Benzene	0.00500	U	0.000104	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000177	0.00500
108-88-3	Toluene	0.00500	U	0.000550	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7088.d
Lab Smp Id: 437303 Client Smp ID: MB for HBN 338509
Inj Date : 10-DEC-2006 14:01
Operator : KCB Inst ID: msv0.i
Smp Info : 437303*MB for HBN 338509
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 13:22 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 8 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
18 Methylene Chloride	49	2.768	2.765	(0.553)	4039	1.28285	1.28	6851
12 Acetone	43	2.894	2.865	(0.578)	57438	17.6114	17.6	7925
$ 41 Dibromofluoromethane	111	4.391	4.388	(0.877)	193573	44.0807	44.1	5431
31 2-Butanone	43	4.530	4.514	(0.905)	18802	1.93360	1.93	
$ 47 1,2-Dichloroethane-d4	67	4.795	4.792	(0.958)	120028	45.4992	45.5	9580
* 49 FLUOROBENZENE	96	5.007	5.004	(1.000)	606213	50.0000		9803
$ 67 Toluene-d8	98	6.126	6.123	(0.854)	536713	42.2960	42.3	9808
* 85 Chlorobenzene-d5	82	7.172	7.176	(1.000)	267427	50.0000		2824
$ 98 Bromofluorobenzene	174	7.994	7.991	(1.115)	150027	43.1728	43.2	8961
* 115 1,4-DICHLOROBENZENE-D4	152	8.755	8.753	(1.000)	205708	50.0000		3555

000291

Data File: /var/chem/msv0.i/2061210.b/v7088.d

Date : 10-DEC-2006 14:01

Client ID: MB for HBN 338509

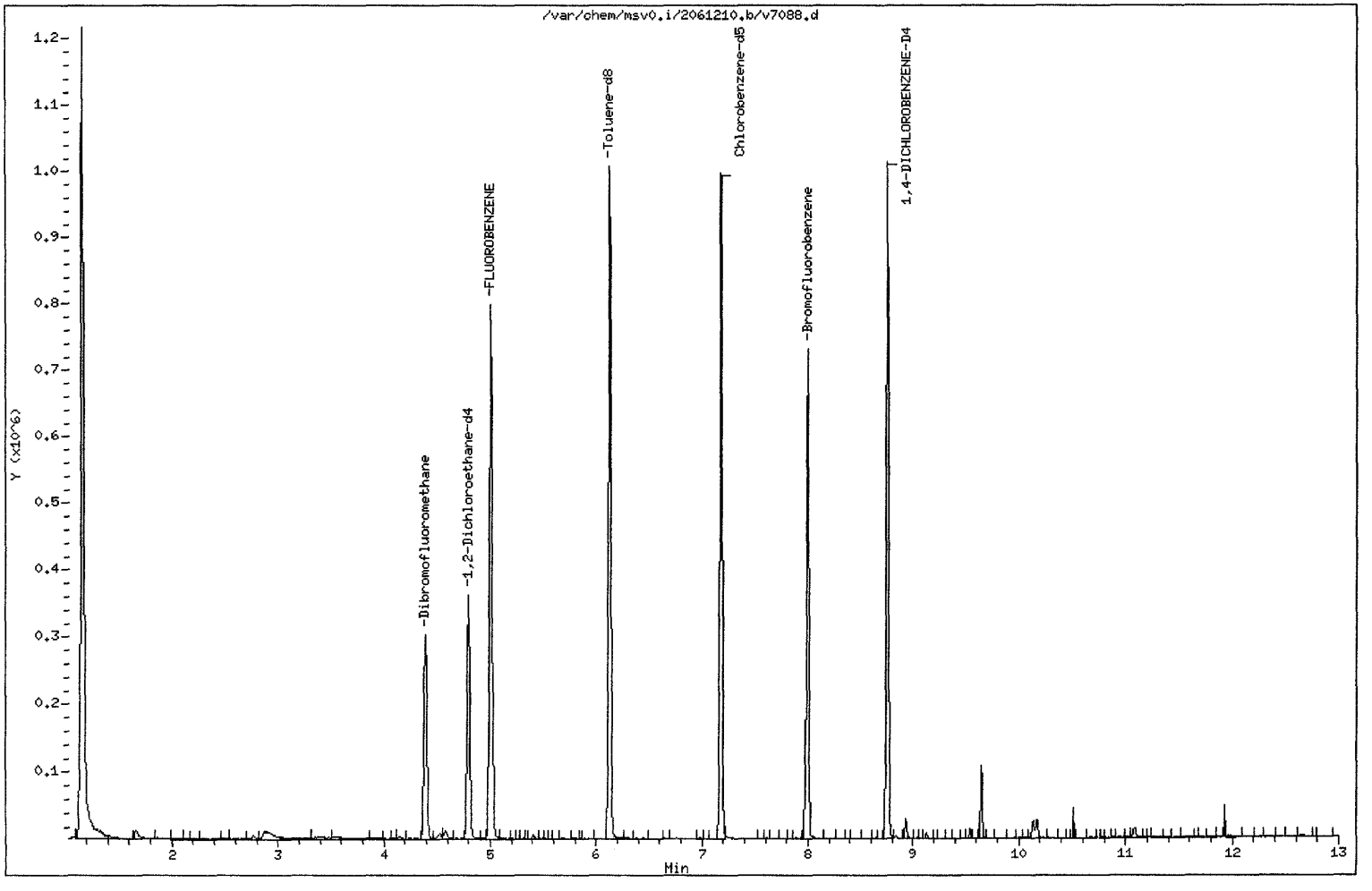
Sample Info: 437303MB for HBN 338509

Column phase: DB-624-30M

Instrument: msv0.i

Operator: KCB

Column diameter: 0.53



034377

Data File: /var/chem/msv0.i/2061210.b/v7088.d

Date : 10-DEC-2006 14:01

Client ID: MB for HBN 338509

Instrument: msv0.i

Sample Info: 437303*MB for HBN 338509

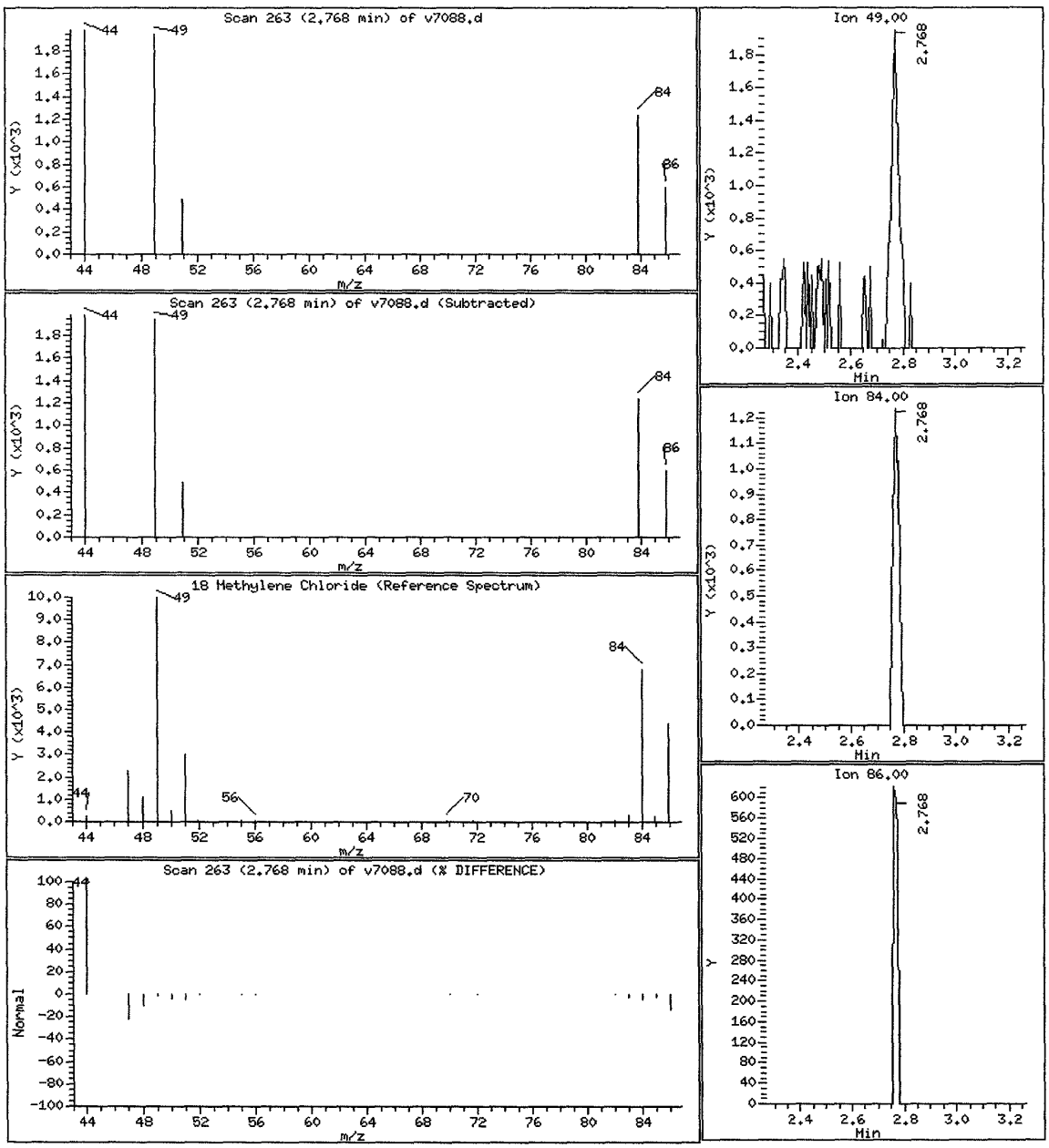
Operator: KCB

Column phase: DB-624-30M

Column diameter: 0.53

18 Methylene Chloride

Concentration: 1.28 ug/Kg



Data File: /var/chem/msv0.i/2061210.b/v7088.d

Date : 10-DEC-2006 14:01

Client ID: MB for HBN 338509

Instrument: msv0.i

Sample Info: 437303%MB for HBN 338509

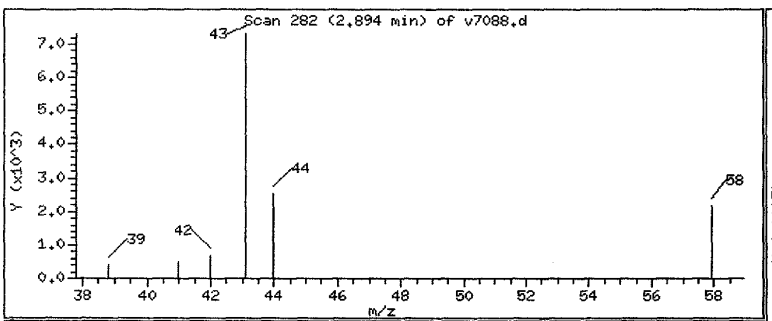
Operator: KCB

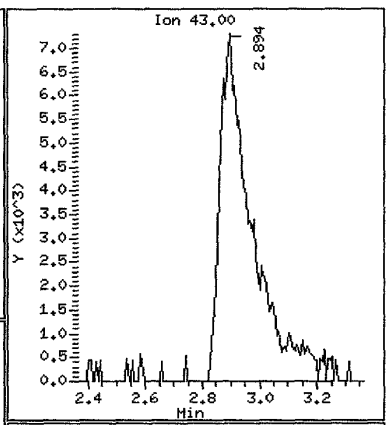
Column phase: DB-624-30M

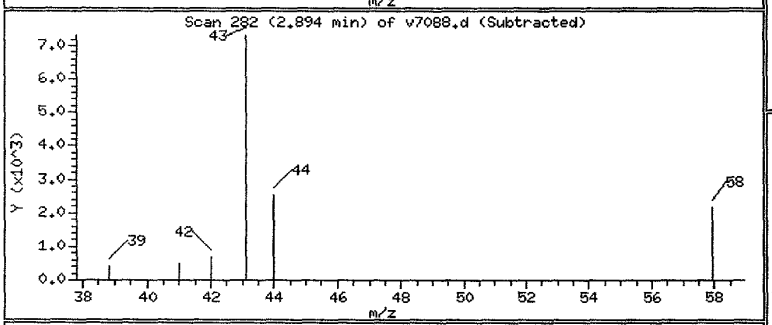
Column diameter: 0.53

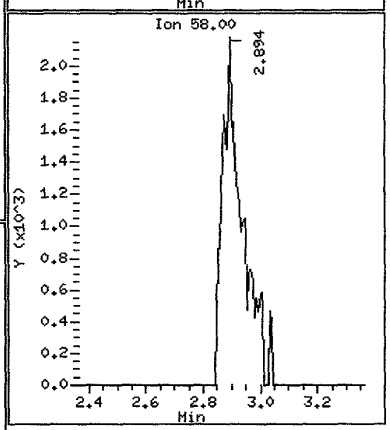
12 Acetone

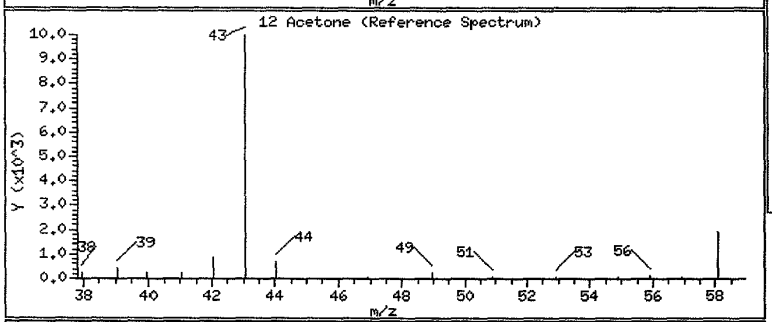
Concentration: 17.6 ug/Kg

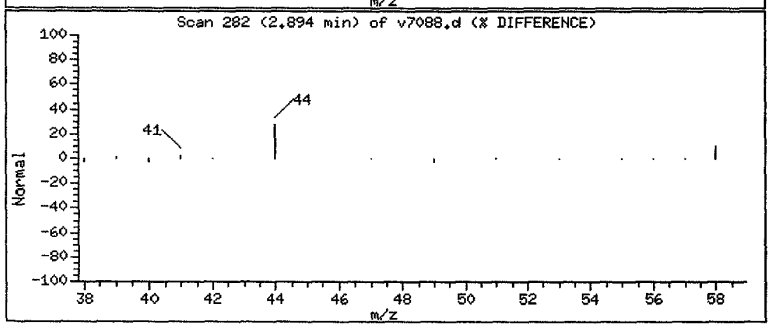












Data File: /var/chem/msv0.i/2061210.b/v7088.d

Date : 10-DEC-2006 14:01

Client ID: MB for HBN 338509

Instrument: msv0.i

Sample Info: 437303MB for HBN 338509

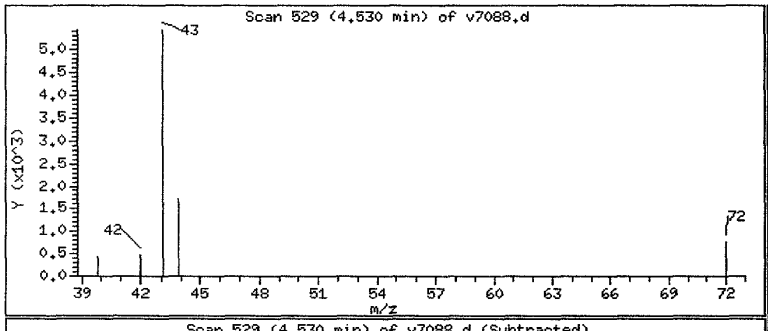
Operator: KCB

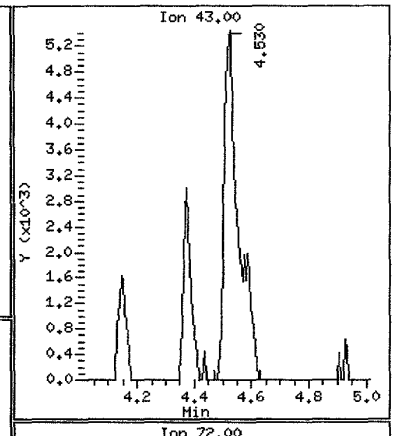
Column phase: DB-624-30M

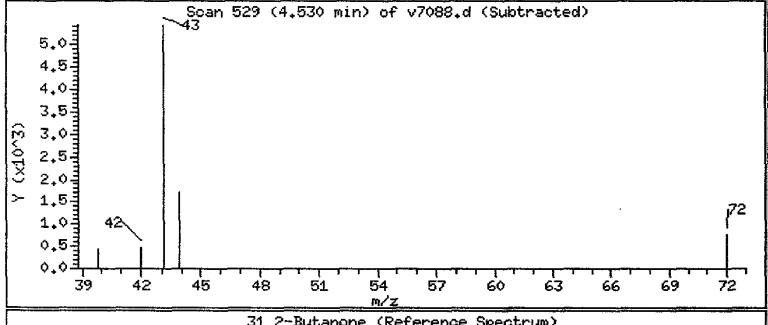
Column diameter: 0.53

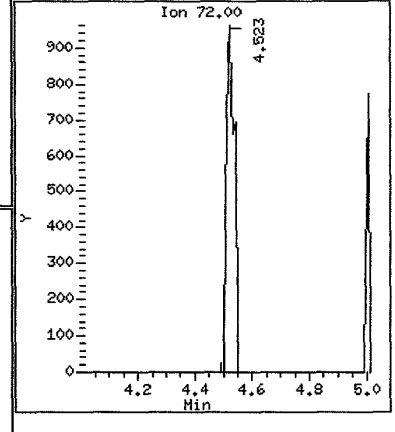
31 2-Butanone

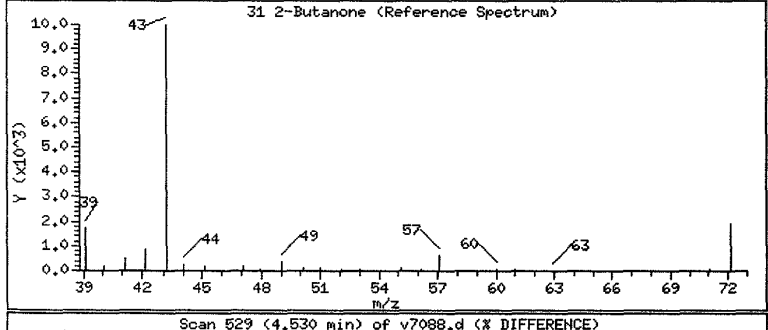
Concentration: 1.93 ug/Kg

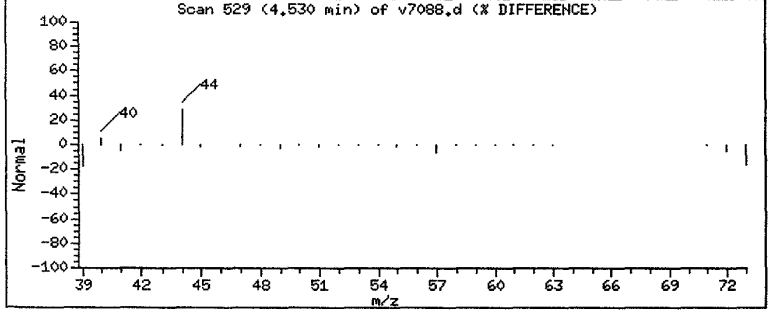










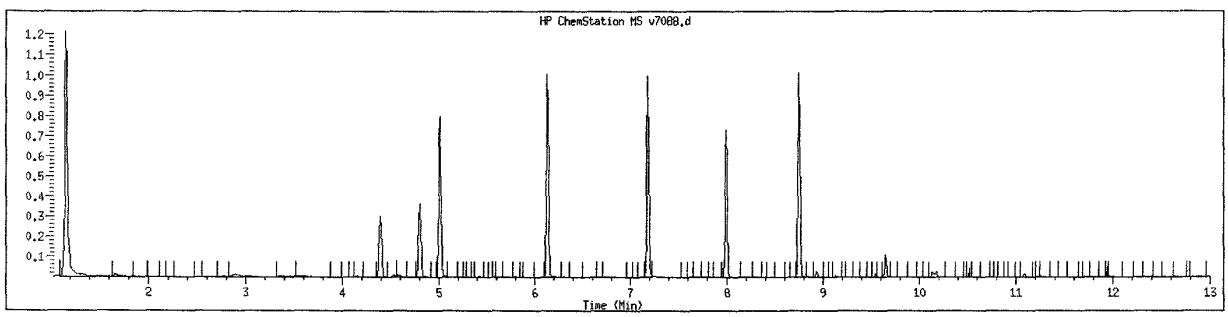


000295

Data file : /var/chem/msv0.i/2061210.b/v7088.d Page: 1
Report Date: 12/10/2006 15:00

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 437303 SampleType : BLANK
Injection Date: 10-DEC-2006 14:01 Instrument : msv0.i
Operator : KCB
Sample Info : 437303*MB for HBN 338509
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: all



NO MANUAL INTEGRATIONS

000296

034381

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB437443

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 437443

Level: (low/med) LOW

Lab File ID: 2061211/v7124

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/11/06 Time: 0953

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: AJV

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.00750	J	0.000374	0.025
107-02-8	Acrolein	0.025	U	0.00234	0.025
107-13-1	Acrylonitrile	0.025	U	0.000712	0.025
75-27-4	Bromodichloromethane	0.00500	U	0.000135	0.00500
75-25-2	Bromoform	0.00500	U	0.000169	0.00500
74-83-9	Bromomethane	0.00500	U	0.00151	0.00500
75-15-0	Carbon disulfide	0.00500	U	0.000109	0.00500
56-23-5	Carbon tetrachloride	0.00500	U	0.000120	0.00500
75-00-3	Chloroethane	0.00500	U	0.000606	0.00500
136777-61-	m,p-Xylene	0.00500	U	0.000398	0.00500
67-66-3	Chloroform	0.00500	U	0.000141	0.00500
74-87-3	Chloromethane	0.00500	U	0.000464	0.00500
124-48-1	Dibromochloromethane	0.00500	U	0.000090	0.00500
74-95-3	Dibromomethane	0.00500	U	0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.00500	U	0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.00500	U	0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.00500	U	0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.00500	U	0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.00500	U	0.000164	0.00500
75-09-2	Methylene chloride	0.010	U	0.000479	0.010
78-87-5	1,2-Dichloropropane	0.00500	U	0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.00500	U	0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.00500	U	0.000141	0.00500
100-41-4	Ethylbenzene	0.00500	U	0.000207	0.00500
591-78-6	2-Hexanone	0.00500	U	0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.00500	U	0.000153	0.00500
78-93-3	2-Butanone	0.00500	U	0.000312	0.00500
74-88-4	Methyl iodide	0.00500	U	0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.00500	U	0.000173	0.00500
103-65-1	n-Propylbenzene	0.00500	U	0.000140	0.00500
100-42-5	Styrene	0.00500	U	0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

MB437443

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

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: 437443

Lab File ID: 2061211/v7124

Date Collected: Time:

Date Received:

Date Analyzed: 12/11/06 Time: 0953

Dilution Factor: 1 Analyst: AJV

Prep Batch: Analytical Batch: 338541

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	0.00210	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.

MB437443

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 437443

Level: (low/med) LOW Lab File ID: 2061211/v7124

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 12/11/06 Time: 0953

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338541

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

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.00500	U	0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.00500	U	0.000421	0.00500
104-51-8	n-Butylbenzene	0.00500	U	0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.00500	U	0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.00500	U	0.00125	0.00500
91-20-3	Naphthalene	0.00500	U	0.000376	0.00500
71-36-3	n-Butyl alcohol	0.025	U	0.00100	0.025
75-35-4	1,1-Dichloroethene	0.00500	U	0.000359	0.00500
71-43-2	Benzene	0.00500	U	0.000104	0.00500
79-01-6	Trichloroethene	0.00500	U	0.000177	0.00500
108-88-3	Toluene	0.00500	U	0.000550	0.00500
108-90-7	Chlorobenzene	0.00500	U	0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2061211.b/v7124.d
Lab Smp Id: 437443 Client Smp ID: MB FOR HBN 338541
Inj Date : 11-DEC-2006 09:53
Operator : AJV Inst ID: msv0.i
Smp Info : 437443*MB FOR HBN 338541
Misc Info : MSV~9609~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Meth Date : 11-Dec-2006 14:41 ajv Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.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/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
12 Acetone	43	2.864	2.867	(0.572)	23832	7.50028	7.50	7070
$ 41 Dibromofluoromethane	111	4.388	4.390	(0.877)	173721	46.7432	46.7	5431
$ 47 1,2-Dichloroethane-d4	67	4.792	4.794	(0.958)	107230	48.0285	48.0	9517
* 49 FLUOROBENZENE	96	5.003	5.004	(1.000)	513054	50.0000		9768
$ 67 Toluene-d8	98	6.123	6.125	(0.854)	481266	44.6123	44.6	9750
* 85 Chlorobenzene-d5	82	7.169	7.170	(1.000)	227349	50.0000		2844
$ 98 Bromofluorobenzene	174	7.990	7.993	(1.115)	129815	43.9418	43.9	9019
* 115 1,4-DICHLOROBENZENE-D4	152	8.752	8.753	(1.000)	174381	50.0000		3604

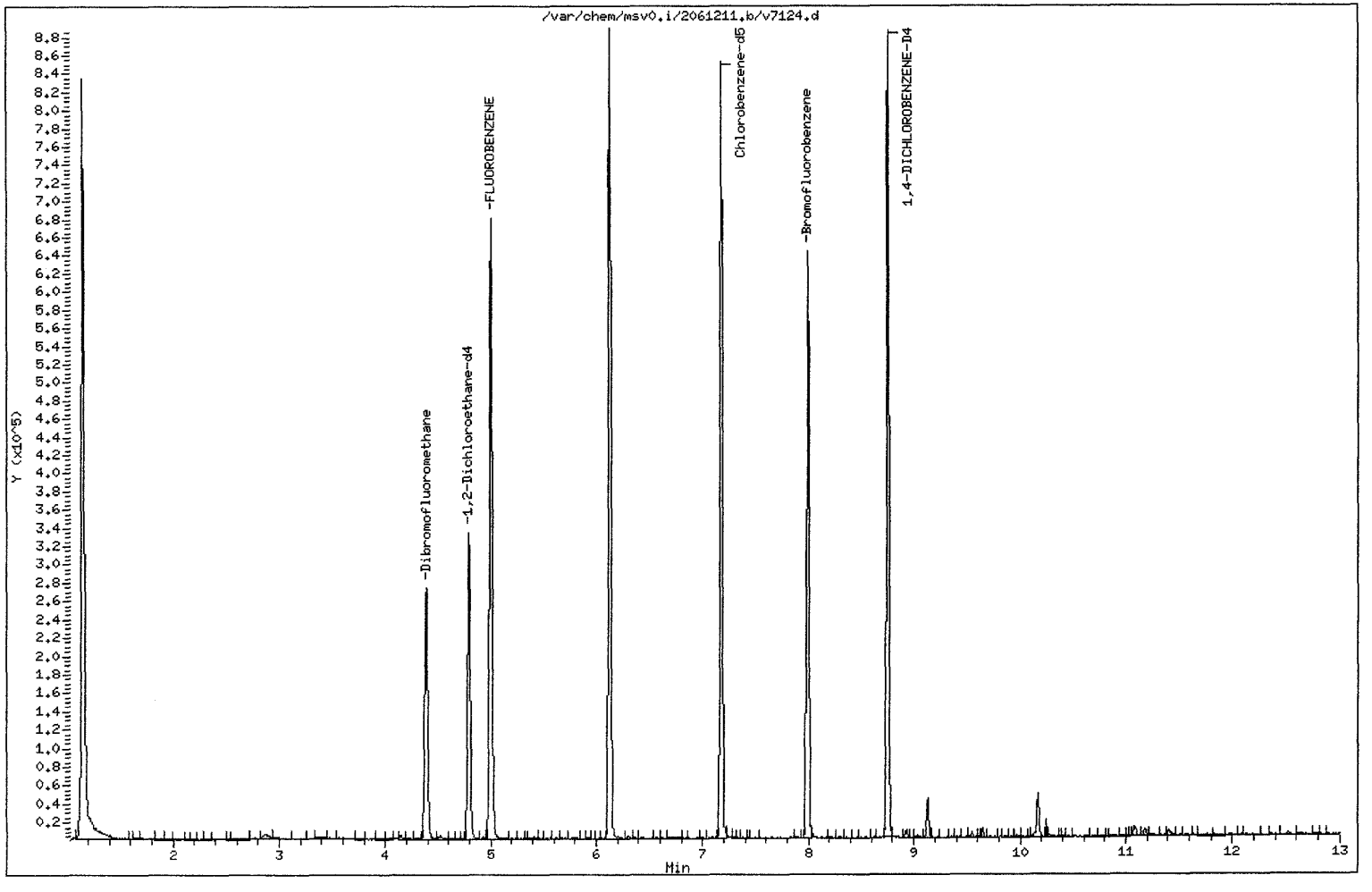
000300

Data File: /var/chem/msv0.i/2061211.b/v7124.d
Date : 11-DEC-2006 09:53
Client ID: MB FOR HBN 338541
Sample Info: 437443*MB FOR HBN 338541

Instrument: msv0.i

Operator: AJV
Column diameter: 0.53

Column phase: DB-624-30M



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034386

Data File: /var/chem/msv0.i/2061211.b/v7124.d

Date : 11-DEC-2006 09:53

Client ID: MB FOR HBN 338541

Instrument: msv0.i

Sample Info: 437443*MB FOR HBN 338541

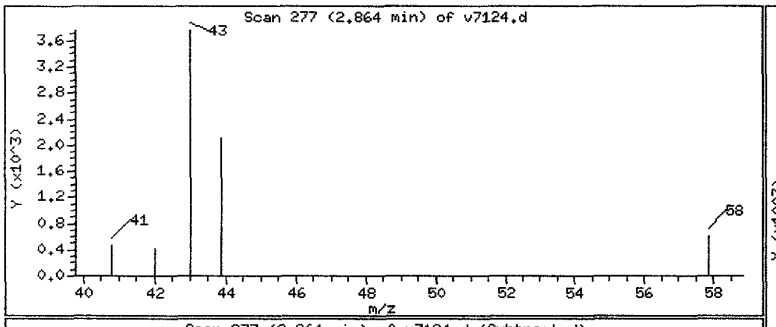
Operator: AJV

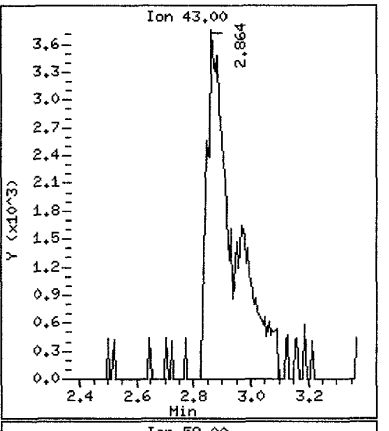
Column phase: DB-624-30M

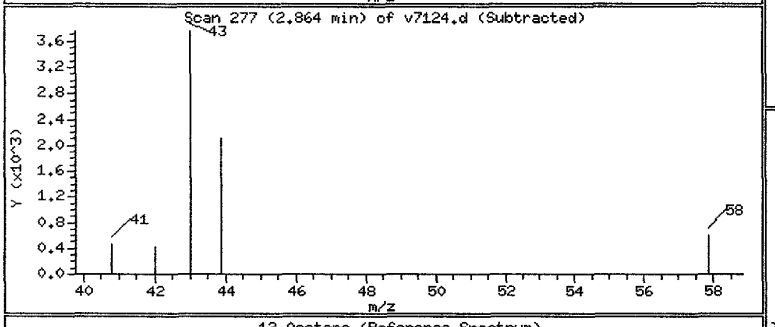
Column diameter: 0.53

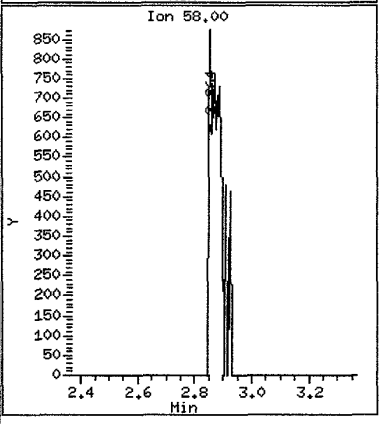
12 Acetone

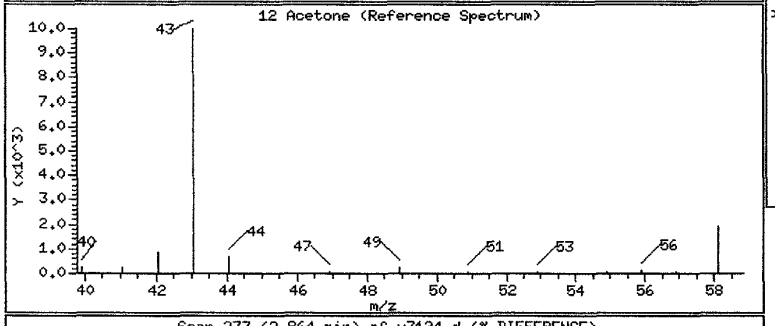
Concentration: 7.50 ug/Kg

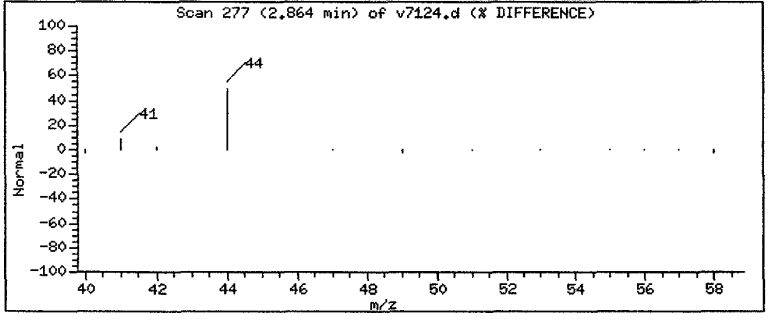












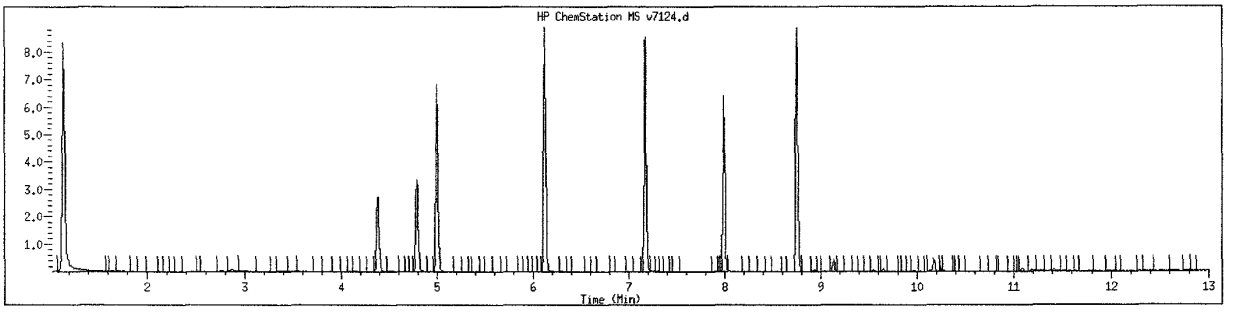
000302

034387

Data file : /var/chem/msv0.i/2061211.b/v7124.d Page: 1
Report Date: 12/11/2006 18:00

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 437443	SampleType	: BLANK
Injection Date	: 11-DEC-2006 09:53	Instrument	: msv0.i
Operator	: AJV		
Sample Info	: 437443*MB FOR HBN 338541		
Misc Info	: MSV~9609~*1*JCK		
Method	: /var/chem/msv0.i/2061211.b/8260Bs0c.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist:	all



NO MANUAL INTEGRATIONS

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS437304

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 437304

Level: (low/med) LOW Lab File ID: 2061210/v7085

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 1239

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.025		0.000374	0.025
107-02-8	Acrolein	0.199		0.00234	0.025
107-13-1	Acrylonitrile	0.125		0.000712	0.025
75-27-4	Bromodichloromethane	0.023		0.000135	0.00500
75-25-2	Bromoform	0.023		0.000169	0.00500
74-83-9	Bromomethane	0.023		0.00151	0.00500
75-15-0	Carbon disulfide	0.022		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.023		0.000120	0.00500
75-00-3	Chloroethane	0.023		0.000606	0.00500
136777-61-	m,p-Xylene	0.048		0.000398	0.00500
67-66-3	Chloroform	0.024		0.000141	0.00500
74-87-3	Chloromethane	0.018		0.000464	0.00500
124-48-1	Dibromochloromethane	0.023		0.000090	0.00500
74-95-3	Dibromomethane	0.022		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.018		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.024		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.023		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.023		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.024		0.000164	0.00500
75-09-2	Methylene chloride	0.019		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.023		0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.023		0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.024		0.000141	0.00500
100-41-4	Ethylbenzene	0.024		0.000207	0.00500
591-78-6	2-Hexanone	0.022		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.024		0.000153	0.00500
78-93-3	2-Butanone	0.020		0.000312	0.00500
74-88-4	Methyl iodide	0.022		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.023		0.000173	0.00500
103-65-1	n-Propylbenzene	0.025		0.000140	0.00500
100-42-5	Styrene	0.023		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS437304

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 437304

Level: (low/med) LOW

Lab File ID: 2061210/v7085

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1239

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.024		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.024		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.023		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.024		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.026		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.024		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.020		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.024		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.024		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.025		0.000163	0.00500
75-01-4	Vinyl chloride	0.021		0.000351	0.00500
95-47-6	o-Xylene	0.023		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.021		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.023		0.000150	0.00500
108-05-4	Vinyl acetate	0.062		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.022		0.000074	0.00500
99-87-6	4-Isopropyltoluene	0.025		0.000161	0.00500
1330-20-7	Xylene (total)	0.071		0.000572	0.010
108-87-2	Methylcyclohexane	0.024		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.023		0.000721	0.00500
110-82-7	Cyclohexane	0.024		0.00111	0.00500
594-20-7	2,2-Dichloropropane	0.024		0.000176	0.00500
79-20-9	Methyl Acetate	0.021		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.024		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.024		0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.023		0.00210	0.00500
142-28-9	1,3-Dichloropropane	0.023		0.000136	0.00500
108-86-1	Bromobenzene	0.025		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.026		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.024		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.028		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.026		0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS437304

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 437304

Level: (low/med) LOW Lab File ID: 2061210/v7085

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 1239

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.024		0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.023		0.000421	0.00500
104-51-8	n-Butylbenzene	0.026		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.023		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.026		0.00125	0.00500
91-20-3	Naphthalene	0.023		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.023		0.000359	0.00500
71-43-2	Benzene	0.023		0.000104	0.00500
79-01-6	Trichloroethene	0.023		0.000177	0.00500
108-88-3	Toluene	0.023		0.000550	0.00500
108-90-7	Chlorobenzene	0.024		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7085.d
Lab Smp Id: 437304 Client Smp ID: LCS for HBN 338509
Inj Date : 10-DEC-2006 12:39
Operator : JCK Inst ID: msv0.i
Smp Info : 437304*LCS for HBN 338509
Misc Info : MSV~9605~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 13:22 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.264	1.262	(0.253)	42325	18.3923	18.4	7797
2 Chloromethane ++	50	1.397	1.394	(0.279)	29901	18.3552	18.4	8714
4 Vinyl Chloride +	62	1.450	1.447	(0.290)	27744	21.2206	21.2	8038
5 Bromomethane	94	1.675	1.679	(0.335)	21588	22.4549	22.5	7182
6 Chloroethane	64	1.774	1.772	(0.354)	13661	22.7121	22.7	6951
7 Trichlorofluoromethane	101	1.874	1.871	(0.374)	30431	19.5381	19.5	8895
11 1,1-Dichloroethene +	96	2.258	2.255	(0.451)	24620	22.6113	22.6	8757
14 Carbon Disulfide	76	2.271	2.275	(0.454)	96535	21.4767	21.5	9395
9 1,1,2Trichlotrifluoroethane	101	2.291	2.295	(0.458)	32261	23.6596	23.7	9204
13 Methyl Iodide	142	2.371	2.368	(0.473)	44476	21.8575	21.9	9182
10 Acrolein	56	2.569	2.567	(0.513)	50739	198.817	199	8859
18 Methylene Chloride	49	2.768	2.765	(0.553)	57866	18.9300	18.9	9181
12 Acetone	43	2.874	2.865	(0.574)	75904	25.4042	25.4	8962

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	2.920	2.918	(0.583)	54753	24.0634	24.1	9230
	16 Methyl Acetate	43	2.980	2.984	(0.595)	111113	20.6689	20.7	9148(M2)
	23 Hexane	57	2.993	2.997	(0.598)	50134	23.7395	23.7	9265
	20 MTBE	73	3.066	3.063	(0.612)	123043	22.1898	22.2	9512
	26 1,1-Dichloroethane ++	63	3.523	3.520	(0.704)	135361	24.0899	24.1	9602
	22 Acrylonitrile	53	3.596	3.600	(0.718)	360841	125.115	125	9854
	27 Vinyl Acetate	43	3.781	3.785	(0.755)	297070	61.8842	61.9	(R)
	30 cis-1,2-Dichloroethene	61	4.000	4.004	(0.799)	117331	23.3405	23.3	9568
	29 2,2-Dichloropropane	77	4.093	4.083	(0.817)	95309	24.0320	24.0	9750
	39 Cyclohexane	56	4.152	4.156	(0.829)	133767	24.2191	24.2	9589
	34 Bromochloromethane	128	4.165	4.169	(0.832)	43245	22.3457	22.3	9657
	38 Chloroform +	83	4.238	4.242	(0.847)	134119	23.6886	23.7	9466
	42 Carbon Tetrachloride	117	4.331	4.328	(0.865)	81015	22.8561	22.9	9291
$	41 Dibromofluoromethane	111	4.384	4.388	(0.876)	165809	38.8898	38.9	8516
	40 1,1,1-Trichloroethane	97	4.391	4.388	(0.877)	97822	25.5531	25.6	8272
	43 1,1-Dichloropropene	75	4.490	4.487	(0.897)	100461	23.5384	23.5	8479
	31 2-Butanone	43	4.516	4.514	(0.902)	192513	20.3913	20.4	
	46 Benzene	78	4.682	4.686	(0.935)	295919	22.6269	22.6	9880
$	47 1,2-Dichloroethane-d4	67	4.795	4.792	(0.958)	101029	39.4449	39.4	9588
	48 1,2-Dichloroethane	62	4.848	4.845	(0.968)	123149	23.3821	23.4	9624
*	49 FLUOROBENZENE	96	5.006	5.004	(1.000)	588574	50.0000		9747
	52 Methyl cyclohexane	83	5.112	5.116	(1.021)	117276	24.1222	24.1	8479
	50 Trichloroethene	130	5.126	5.130	(1.024)	80395	23.2493	23.2	9011
	58 Dibromomethane	93	5.437	5.434	(1.086)	65785	21.8666	21.9	9216
	54 1,2-Dichloropropane +	63	5.510	5.507	(1.101)	93633	22.6327	22.6	9810
	61 Bromodichloromethane	83	5.556	5.560	(1.110)	108536	23.2420	23.2	9479
	64 1-Bromo-2-chloroethane	63	5.887	5.891	(1.176)	158903	22.3001	22.3	9487
	62 2-Chloroethyl vinyl ether	63	5.960	5.964	(1.190)	84525	22.8911	22.9	9585
	65 cis-1,3-Dichloropropene	75	6.000	5.997	(1.198)	146078	22.6712	22.7	
$	67 Toluene-d8	98	6.126	6.123	(0.854)	494547	41.1394	41.1	9891
	68 Toluene +	91	6.159	6.163	(0.859)	306372	22.4617	22.5	9729
	66 4-methyl-2-pentanone	43	6.424	6.428	(1.283)	279708	22.5558	22.6	
	78 Tetrachloroethene	164	6.424	6.421	(0.896)	55318	24.2310	24.2	9268
	71 trans-1,3-Dichloropropene	75	6.444	6.448	(0.898)	140271	24.1269	24.1	
	76 1,1,2-Trichloroethane	97	6.556	6.554	(0.914)	84994	23.6131	23.6	9490
	81 Dibromochloromethane	129	6.675	6.673	(0.931)	90209	22.5680	22.6	9409
	79 1,3-Dichloropropane	76	6.735	6.739	(0.939)	147609	22.9716	23.0	9567
	83 1,2-Dibromoethane(EDB)	107	6.834	6.832	(0.953)	98914	22.8224	22.8	9745
	80 2-Hexanone	43	6.980	6.984	(0.973)	245969	22.2279	22.2	9563
	84 1-Chlorohexane	91	7.166	7.163	(1.431)	123770	24.0786	24.1	3954(M2)
*	85 Chlorobenzene-d5	82	7.172	7.176	(1.000)	253345	50.0000		6028
	86 Chlorobenzene ++	112	7.185	7.183	(1.002)	207652	23.5789	23.6	7588
	87 Ethylbenzene +	106	7.199	7.196	(1.004)	101755	23.4578	23.5	9440
	89 1,1,1,2-Tetrachloroethane	133	7.225	7.229	(1.007)	67448	23.5158	23.5	9187
M	75 Total 1,2-Dichloroethene	61				172084	47.4039	47.4	0
	90 p,m-Xylene	106	7.298	7.295	(1.018)	253859	47.8326	47.8	9809
M	77 1-3 Dichloropropene-Total	100				286349	46.7982	46.8	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	91 o-Xylene	106	7.583	7.587	(1.057)	125601	23.2143	23.2	
	92 Styrene	104	7.623	7.620	(1.063)	218233	22.6909	22.7	9604
	95 Bromoform ++	173	7.642	7.646	(1.066)	61620	22.6356	22.6	8270
	96 Isopropylbenzene	105	7.795	7.792	(1.087)	299165	23.9839	24.0	9632
$	98 Bromofluorobenzene	174	7.993	7.991	(1.115)	162620	49.3978	49.4	9203
	102 Bromobenzene	77	8.066	8.064	(0.922)	168371	24.5563	24.6	9369
	103 n-Propylbenzene	91	8.073	8.070	(0.923)	403254	25.1590	25.2	9021
	101 1,1,2,2-Tetrachloroethane++	83	8.119	8.123	(0.928)	144108	22.8660	22.9	9393
	105 2-Chlorotoluene	91	8.186	8.190	(0.936)	275189	25.4500	25.5	8671
	107 1,3,5-Trimethylbenzene	105	8.199	8.203	(0.937)	269391	25.3591	25.4	
	104 1,2,3-Trichloropropane	75	8.219	8.223	(0.939)	177708	23.8233	23.8	9262
	106 trans-1,4-Dichloro-2-Butene	53	8.239	8.243	(0.942)	40113	23.2299	23.2	9085
	108 4-Chlorotoluene	91	8.298	8.296	(0.949)	239295	24.0632	24.1	9563
	109 tert-butylbenzene	91	8.424	8.421	(0.963)	183088	27.6242	27.6	9576
	110 1,2,4-Trimethylbenzene	105	8.464	8.468	(0.967)	266906	24.3127	24.3	
	112 sec-Butylbenzene	105	8.543	8.541	(0.977)	357281	25.5503	25.6	
	113 p-Isopropyltoluene	119	8.636	8.633	(0.987)	281354	25.1857	25.2	9561
	114 1,3-Dichlorobenzene	146	8.702	8.706	(0.995)	142564	23.9284	23.9	
*	115 1,4-DICHLOROBENZENE-D4	152	8.748	8.753	(1.000)	201895	50.0000		5077
	117 1,4-Dichlorobenzene	146	8.762	8.766	(1.002)	148796	23.2294	23.2	
	119 n-Butylbenzene	91	8.921	8.918	(1.020)	290439	25.6780	25.7	9690
	120 1,2-Dichlorobenzene	146	9.047	9.044	(1.034)	139539	23.2446	23.2	
	121 1,2-Dibromo-3-Chloropropane	157	9.550	9.554	(1.092)	33793	21.2449	21.2	8725
	124 Hexachlorobutadiene	225	9.934	9.938	(1.135)	43662	25.6924	25.7	9402
	123 1,2,4-Trichlorobenzene	180	9.960	9.965	(1.139)	89571	24.2887	24.3	
	125 Napthalene	128	10.159	10.163	(1.161)	345307	23.1086	23.1	9363
	126 1,2,3-Trichlorobenzene	180	10.272	10.276	(1.174)	91009	24.8555	24.9	
M	127 TOTAL XYLENE	106				379460	71.0469	71.0	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2061210.b/v7085.d

Date : 10-DEC-2006 12:39

Client ID: LCS for HBN 338509

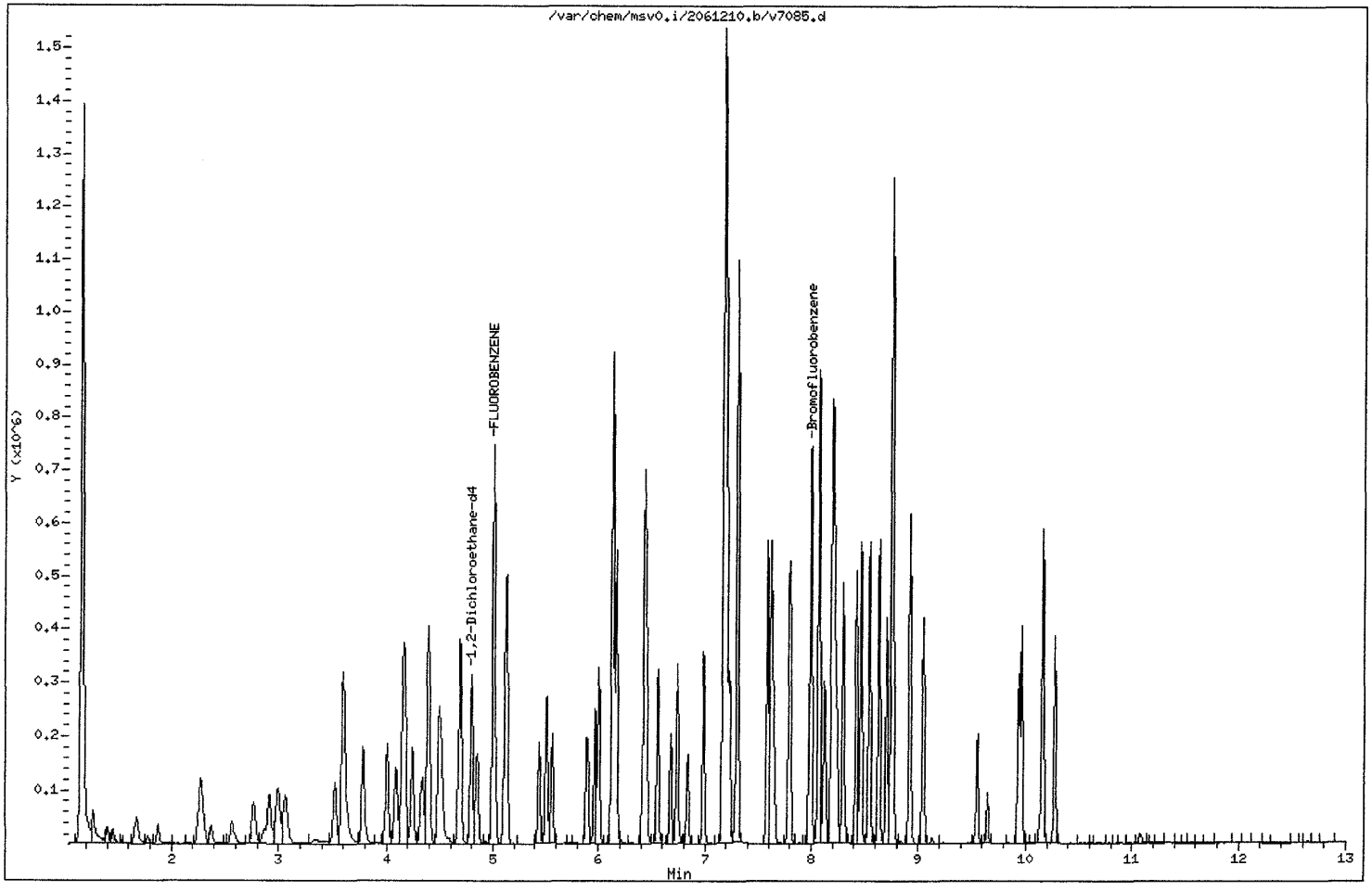
Sample Info: 437304*LCS for HBN 338509

Column phase: DB-624-30M

Instrument: msv0.i

Operator: JCK

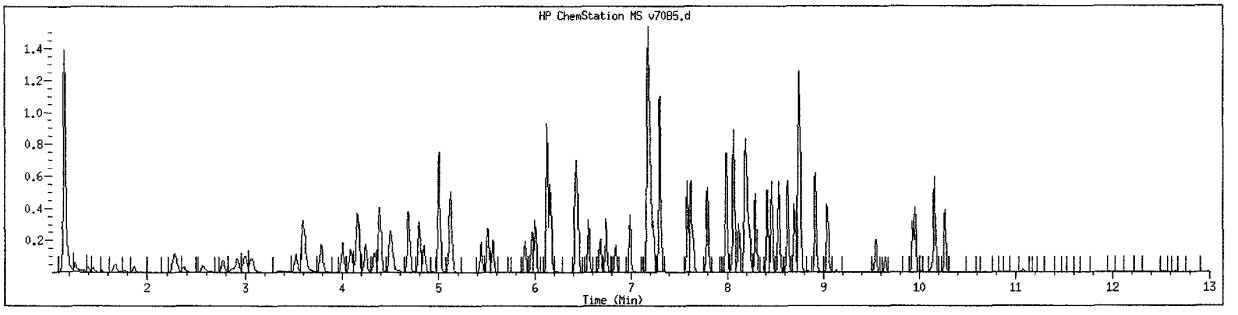
Column diameter: 0.53



Data file : /var/chem/msv0.i/2061210.b/v7085.d Page: 1
Report Date: 12/10/2006 13:22

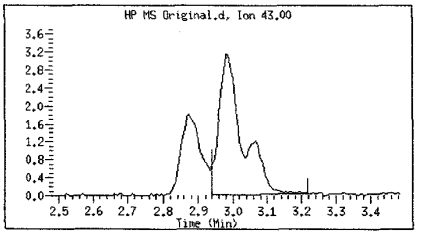
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 437304 SampleType : LCS
Injection Date: 10-DEC-2006 12:39 Instrument : msv0.i
Operator : JCK
Sample Info : 437304*LCS for HBN 338509
Misc Info : MSV~9605~*1*JCK
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



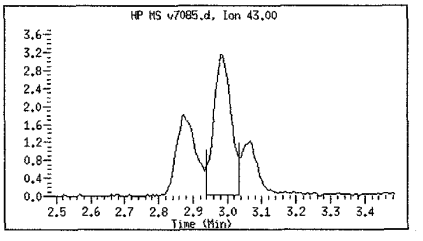
Original Final

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

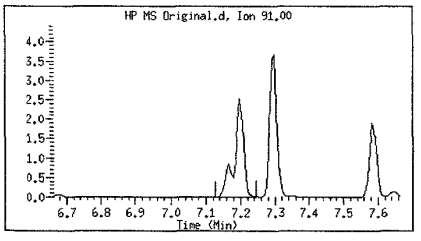


Electronic Signature Applied

User: jck
Date: 10-Dec-2006 13:15

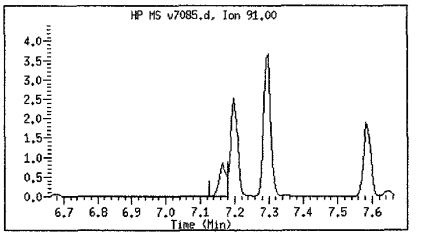


84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: jck
Date: 10-Dec-2006 13:15



000311

034396

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

034397

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS437444

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 437444

Level: (low/med) LOW

Lab File ID: 2061211/v7122

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/11/06 Time: 0912

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.030		0.000374	0.025
107-02-8	Acrolein	0.228		0.00234	0.025
107-13-1	Acrylonitrile	0.136		0.000712	0.025
75-27-4	Bromodichloromethane	0.025		0.000135	0.00500
75-25-2	Bromoform	0.022		0.000169	0.00500
74-83-9	Bromomethane	0.013		0.00151	0.00500
75-15-0	Carbon disulfide	0.022		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.027		0.000120	0.00500
75-00-3	Chloroethane	0.026		0.000606	0.00500
136777-61-	m,p-Xylene	0.046		0.000398	0.00500
67-66-3	Chloroform	0.026		0.000141	0.00500
74-87-3	Chloromethane	0.019		0.000464	0.00500
124-48-1	Dibromochloromethane	0.023		0.000090	0.00500
74-95-3	Dibromomethane	0.025		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.019		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.025		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.026		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.025		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.028		0.000164	0.00500
75-09-2	Methylene chloride	0.023		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.024		0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.024		0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.024		0.000141	0.00500
100-41-4	Ethylbenzene	0.022		0.000207	0.00500
591-78-6	2-Hexanone	0.023		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.023		0.000153	0.00500
78-93-3	2-Butanone	0.023		0.000312	0.00500
74-88-4	Methyl iodide	0.00961		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.025		0.000173	0.00500
103-65-1	n-Propylbenzene	0.024		0.000140	0.00500
100-42-5	Styrene	0.023		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS437444

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

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: 437444

Lab File ID: 2061211/v7122

Date Collected: Time:

Date Received:

Date Analyzed: 12/11/06 Time: 0912

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.022		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.023		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.024		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.025		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.025		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.023		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.022		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.024		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.024		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.024		0.000163	0.00500
75-01-4	Vinyl chloride	0.022		0.000351	0.00500
95-47-6	o-Xylene	0.022		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.023		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.023		0.000150	0.00500
108-05-4	Vinyl acetate	0.066		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.027		0.000074	0.00500
99-87-6	4-Isopropyltoluene	0.024		0.000161	0.00500
1330-20-7	Xylene (total)	0.068		0.000572	0.010
108-87-2	Methylcyclohexane	0.023		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.023		0.000721	0.00500
110-82-7	Cyclohexane	0.024		0.00111	0.00500
594-20-7	2,2-Dichloropropane	0.025		0.000176	0.00500
79-20-9	Methyl Acetate	0.025		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.023		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.024		0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.026		0.00210	0.00500
142-28-9	1,3-Dichloropropane	0.023		0.000136	0.00500
108-86-1	Bromobenzene	0.024		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.024		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.024		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.026		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.024		0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCS437444

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 437444

Level: (low/med) LOW

Lab File ID: 2061211/v7122

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/11/06 Time: 0912

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.023		0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.023		0.000421	0.00500
104-51-8	n-Butylbenzene	0.025		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.023		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.024		0.00125	0.00500
91-20-3	Naphthalene	0.024		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.023		0.000359	0.00500
71-43-2	Benzene	0.024		0.000104	0.00500
79-01-6	Trichloroethene	0.023		0.000177	0.00500
108-88-3	Toluene	0.022		0.000550	0.00500
108-90-7	Chlorobenzene	0.023		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2061211.b/v7122.d
Lab Smp Id: 437444 Client Smp ID: LCS for HBN 338541
Inj Date : 11-DEC-2006 09:12
Operator : KCB Inst ID: msv0.i
Smp Info : 437444*LCS for HBN 338541
Misc Info : MSV~9609~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Meth Date : 11-Dec-2006 14:24 ajv Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.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/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	1.265	1.264	(0.253)	39497	18.4694	18.5	7959
2 Chloromethane ++	50	1.397	1.396	(0.279)	28786	19.0153	19.0	8480
4 Vinyl Chloride +	62	1.450	1.456	(0.290)	26150	21.5233	21.5	8235
5 Bromomethane	94	1.676	1.681	(0.335)	11639	13.0276	13.0	5483
6 Chloroethane	64	1.775	1.774	(0.354)	14776	26.2386	26.2	7288
7 Trichlorofluoromethane	101	1.868	1.873	(0.373)	31627	21.4858	21.5	8943
11 1,1-Dichloroethene +	96	2.258	2.257	(0.451)	22988	22.7189	22.7	8791
14 Carbon Disulfide	76	2.272	2.277	(0.454)	90056	21.5598	21.6	9434
9 1,1,2Trichlotrifluoroethane	101	2.292	2.297	(0.458)	28654	22.5473	22.5	9401
13 Methyl Iodide	142	2.364	2.370	(0.472)	15774	9.60656	9.61	8883(R)
10 Acrolein	56	2.563	2.569	(0.512)	54038	227.856	228	8954(R)
18 Methylene Chloride	49	2.762	2.767	(0.552)	66405	23.3764	23.4	9031
12 Acetone	43	2.868	2.867	(0.573)	80296	29.6756	29.7	8791

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	2.914	2.920	(0.582)	58257	27.5516	27.6	9073
	16 Methyl Acetate	43	2.980	2.979	(0.595)	126607	25.3430	25.3	9113
	23 Hexane	57	3.000	3.006	(0.599)	55138	28.0957	28.1	9323
	20 MTBE	73	3.060	3.065	(0.611)	138751	26.9267	26.9	9374
	26 1,1-Dichloroethane ++	63	3.517	3.522	(0.702)	132296	25.3359	25.3	9487
	22 Acrylonitrile	53	3.596	3.602	(0.718)	363692	135.699	136	9878
	27 Vinyl Acetate	43	3.782	3.787	(0.755)	296400	66.4429	66.4	(R)
	30 cis-1,2-Dichloroethene	61	4.000	4.006	(0.799)	116516	24.9420	24.9	9533
	29 2,2-Dichloropropane	77	4.086	4.092	(0.816)	90810	24.6399	24.6	9575
	39 Cyclohexane	56	4.159	4.158	(0.831)	120755	23.5268	23.5	8888
	34 Bromochloromethane	128	4.166	4.171	(0.832)	44038	24.4870	24.5	9589
	38 Chloroform +	83	4.239	4.244	(0.847)	135113	25.6800	25.7	9459
	42 Carbon Tetrachloride	117	4.331	4.337	(0.865)	87293	26.5012	26.5	9259
$	41 Dibromofluoromethane	111	4.384	4.390	(0.876)	184102	46.4661	46.5	8279
	40 1,1,1-Trichloroethane	97	4.391	4.397	(0.877)	90247	25.3681	25.4	7953
	43 1,1-Dichloropropene	75	4.490	4.496	(0.897)	94259	23.7658	23.8	8106
	31 2-Butanone	43	4.517	4.516	(0.902)	205187	23.3876	23.4	
	46 Benzene	78	4.683	4.688	(0.935)	290483	23.9013	23.9	9874
$	47 1,2-Dichloroethane-d4	67	4.795	4.794	(0.958)	113024	47.4859	47.5	9554
	48 1,2-Dichloroethane	62	4.841	4.847	(0.967)	128447	26.2437	26.2	9613
*	49 FLUOROBENZENE	96	5.007	5.004	(1.000)	546955	50.0000		9791
	52 Methyl cyclohexane	83	5.120	5.119	(1.022)	103513	22.9114	22.9	9632
	50 Trichloroethene	130	5.126	5.132	(1.024)	73253	22.7958	22.8	9091
	58 Dibromomethane	93	5.438	5.436	(1.086)	68629	24.5477	24.5	9099
	54 1,2-Dichloropropane +	63	5.510	5.509	(1.101)	92459	24.0495	24.0	9778
	61 Bromodichloromethane	83	5.557	5.562	(1.110)	109283	25.1827	25.2	9491
	64 1-Bromo-2-chloroethane	63	5.888	5.893	(1.176)	159958	24.1563	24.2	9380
	62 2-Chloroethyl vinyl ether	63	5.961	5.966	(1.190)	89552	26.0980	26.1	9620
	65 cis-1,3-Dichloropropene	75	6.000	5.999	(1.198)	142754	23.8412	23.8	
$	67 Toluene-d8	98	6.126	6.125	(0.854)	508584	42.6351	42.6	9805
	68 Toluene +	91	6.159	6.165	(0.859)	291532	21.5394	21.5	9676
	66 4-methyl-2-pentanone	43	6.424	6.423	(1.283)	291894	25.3296	25.3	
	78 Tetrachloroethene	164	6.424	6.423	(0.896)	49322	21.7721	21.8	8973
	71 trans-1,3-Dichloropropene	75	6.444	6.450	(0.898)	139241	24.1354	24.1	
	76 1,1,2-Trichloroethane	97	6.557	6.556	(0.914)	82826	23.1892	23.2	9567
	81 Dibromochloromethane	129	6.676	6.675	(0.931)	92126	23.2263	23.2	9403
	79 1,3-Dichloropropane	76	6.736	6.741	(0.939)	146179	22.9254	22.9	9514
	83 1,2-Dibromoethane(EDB)	107	6.835	6.834	(0.953)	99594	23.1574	23.2	9668
	80 2-Hexanone	43	6.981	6.986	(0.973)	257004	23.4051	23.4	9647
	84 1-Chlorohexane	91	7.166	7.165	(1.431)	115098	24.0953	24.1	3934(M2)
*	85 Chlorobenzene-d5	82	7.173	7.170	(1.000)	251396	50.0000		5939
	86 Chlorobenzene ++	112	7.186	7.185	(1.002)	198191	22.6791	22.7	7668
	87 Ethylbenzene +	106	7.199	7.205	(1.004)	95164	22.1085	22.1	9415
	89 1,1,1,2-Tetrachloroethane	133	7.226	7.231	(1.007)	64088	22.5175	22.5	9103
M	75 Total 1,2-Dichloroethene	61				174773	52.4936	52.5	0
	90 p,m-Xylene	106	7.299	7.298	(1.018)	239810	45.5357	45.5	9714
M	77 1-3 Dichloropropene-Total	100				281995	47.9766	48.0	0

034402

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	91 o-Xylene	106	7.583	7.589	(1.057)	119600	22.2765	22.3	
	92 Styrene	104	7.623	7.622	(1.063)	214443	22.4697	22.5	9615
	95 Bromoform ++	173	7.650	7.649	(1.066)	59489	22.0222	22.0	8967
	96 Isopropylbenzene	105	7.795	7.794	(1.087)	279077	22.5469	22.5	9570
$	98 Bromofluorobenzene	174	7.994	7.993	(1.114)	140214	42.9219	42.9	9140
	102 Bromobenzene	77	8.067	8.066	(0.922)	165035	24.1979	24.2	9223
	103 n-Propylbenzene	91	8.073	8.072	(0.923)	377643	23.6866	23.7	9033
	101 1,1,2,2-Tetrachloroethane++	83	8.120	8.125	(0.928)	148606	23.7053	23.7	9386
	105 2-Chlorotoluene	91	8.186	8.185	(0.936)	257857	23.9741	24.0	8679
	107 1,3,5-Trimethylbenzene	105	8.199	8.205	(0.937)	254747	24.1083	24.1	
	104 1,2,3-Trichloropropane	75	8.219	8.218	(0.939)	175246	23.6183	23.6	9379
	106 trans-1,4-Dichloro-2-Butene	53	8.239	8.245	(0.942)	39794	23.1678	23.2	8983
	108 4-Chlorotoluene	91	8.299	8.298	(0.949)	239971	24.2596	24.3	9537
	109 tert-butylbenzene	91	8.425	8.423	(0.963)	172861	26.2200	26.2	9508
	110 1,2,4-Trimethylbenzene	105	8.464	8.470	(0.967)	259645	23.7772	23.8	
	112 sec-Butylbenzene	105	8.544	8.543	(0.977)	336116	24.1647	24.2	
	113 p-Isopropyltoluene	119	8.636	8.635	(0.987)	266115	23.9484	23.9	9564
	114 1,3-Dichlorobenzene	146	8.703	8.708	(0.995)	138388	23.3511	23.4	
*	115 1,4-DICHLOROBENZENE-D4	152	8.749	8.753	(1.000)	200826	50.0000		5025
	117 1,4-Dichlorobenzene	146	8.762	8.761	(1.002)	145418	22.8229	22.8	
	119 n-Butylbenzene	91	8.921	8.920	(1.020)	276407	24.5675	24.6	9606
	120 1,2-Dichlorobenzene	146	9.040	9.046	(1.033)	137848	23.0851	23.1	
	121 1,2-Dibromo-3-Chloropropane	157	9.550	9.556	(1.092)	35785	22.6170	22.6	8706
	124 Hexachlorobutadiene	225	9.935	9.940	(1.135)	40538	23.9811	24.0	9350
	123 1,2,4-Trichlorobenzene	180	9.961	9.967	(1.139)	91798	25.0251	25.0	
	125 Napthalene	128	10.166	10.172	(1.162)	362778	24.4070	24.4	9545
	126 1,2,3-Trichlorobenzene	180	10.272	10.285	(1.174)	93133	25.5710	25.6	
M	127 TOTAL XYLENE	106				359410	67.8123	67.8	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2061211.b/v7122.d

Page 1

Date : 11-DEC-2006 09:12

Client ID: LCS for HBN 338541

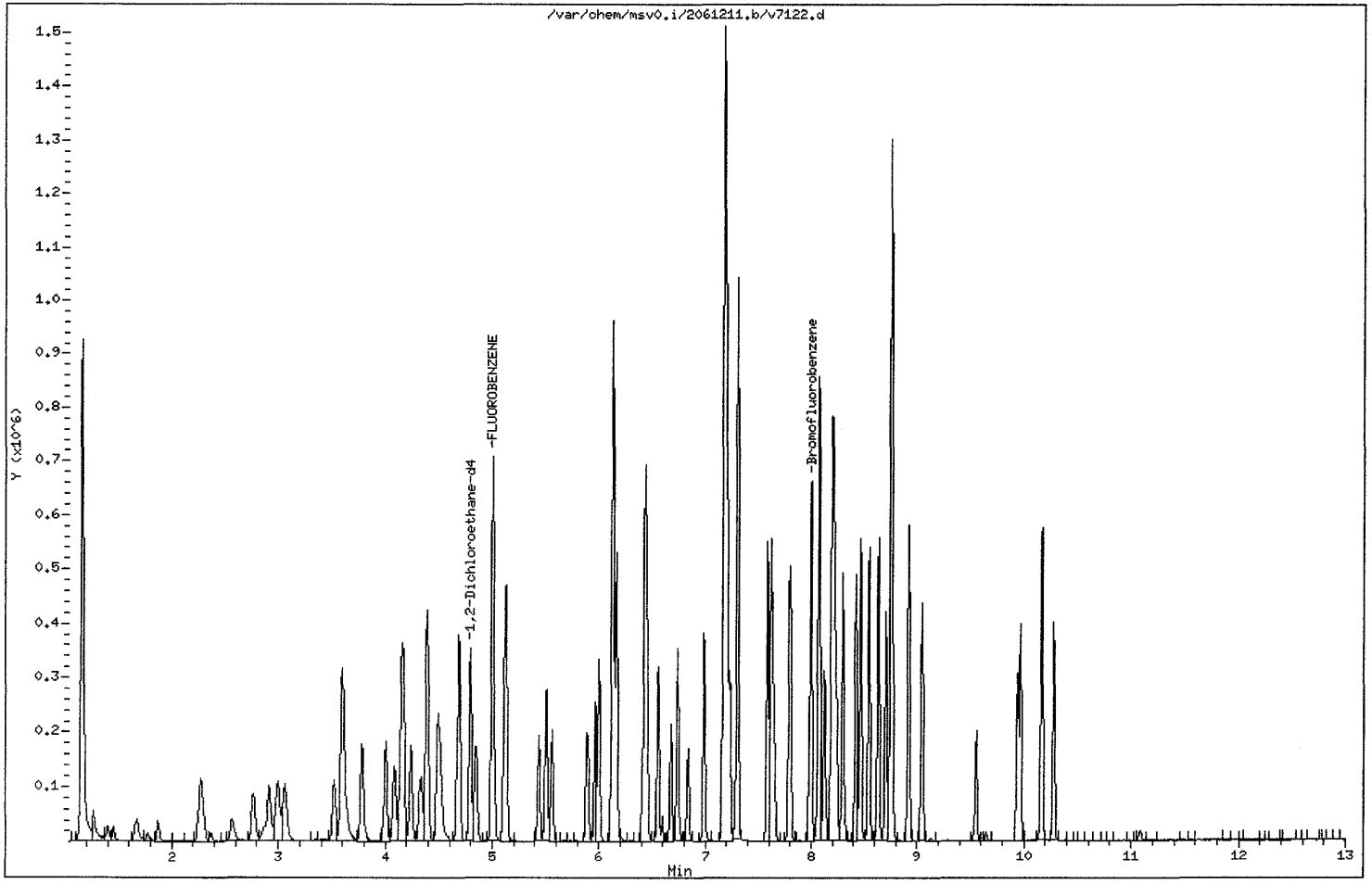
Instrument: msv0.i

Sample Info: 437444*LCS for HBN 338541

Operator: KCB

Column phase: DB-624-30M

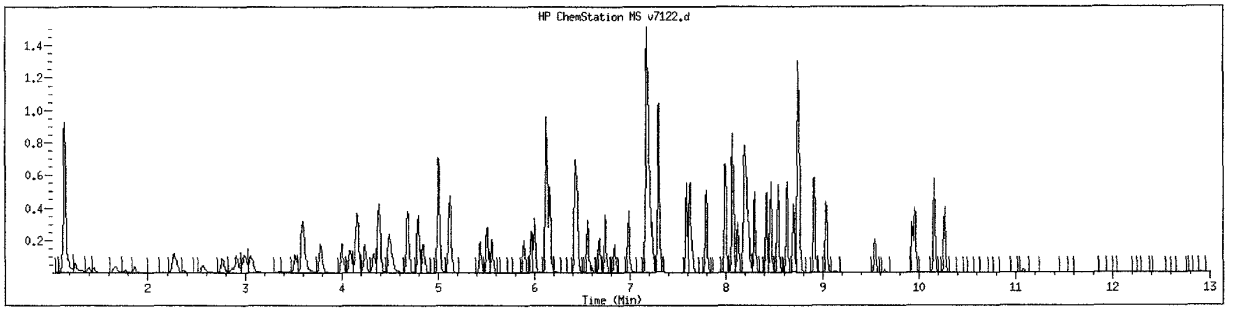
Column diameter: 0.53



Data file : /var/chem/msv0.i/2061211.b/v7122.d Page: 1
Report Date: 12/11/2006 14:24

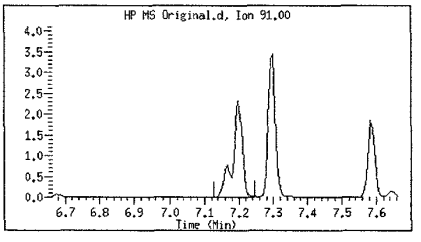
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 437444 SampleType : LCS
Injection Date: 11-DEC-2006 09:12 Instrument : msv0.i
Operator : KCB
Sample Info : 437444*LCS for HBN 338541
Misc Info : MSV~9609~*1*JCK
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



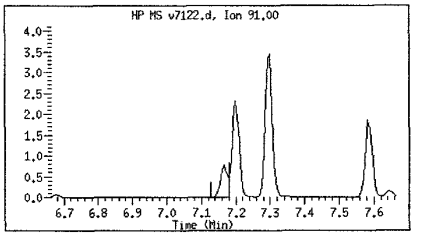
Original Final

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



Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 11:06



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

000320

034405

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD437305

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 437305

Level: (low/med) LOW Lab File ID: 2061210/v7086

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 1259

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.024	J	0.000374	0.025
107-02-8	Acrolein	0.217		0.00234	0.025
107-13-1	Acrylonitrile	0.135		0.000712	0.025
75-27-4	Bromodichloromethane	0.025		0.000135	0.00500
75-25-2	Bromoform	0.024		0.000169	0.00500
74-83-9	Bromomethane	0.024		0.00151	0.00500
75-15-0	Carbon disulfide	0.023		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.024		0.000120	0.00500
75-00-3	Chloroethane	0.025		0.000606	0.00500
136777-61-	m,p-Xylene	0.048		0.000398	0.00500
67-66-3	Chloroform	0.025		0.000141	0.00500
74-87-3	Chloromethane	0.024		0.000464	0.00500
124-48-1	Dibromochloromethane	0.023		0.000090	0.00500
74-95-3	Dibromomethane	0.023		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.019		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.024		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.025		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.024		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.025		0.000164	0.00500
75-09-2	Methylene chloride	0.020		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.023		0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.024		0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.025		0.000141	0.00500
100-41-4	Ethylbenzene	0.024		0.000207	0.00500
591-78-6	2-Hexanone	0.024		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.025		0.000153	0.00500
78-93-3	2-Butanone	0.022		0.000312	0.00500
74-88-4	Methyl iodide	0.021		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.024		0.000173	0.00500
103-65-1	n-Propylbenzene	0.026		0.000140	0.00500
100-42-5	Styrene	0.024		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD437305

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 437305

Level: (low/med) LOW

Lab File ID: 2061210/v7086

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1259

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: JCK

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.024		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.023		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.024		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.027		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.025		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.024		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.023		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.025		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.025		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.026		0.000163	0.00500
75-01-4	Vinyl chloride	0.024		0.000351	0.00500
95-47-6	o-Xylene	0.024		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.025		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.024		0.000150	0.00500
108-05-4	Vinyl acetate	0.064		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.024		0.000074	0.00500
99-87-6	4-Isopropyltoluene	0.026		0.000161	0.00500
1330-20-7	Xylene (total)	0.072		0.000572	0.010
108-87-2	Methylcyclohexane	0.025		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.024		0.000721	0.00500
110-82-7	Cyclohexane	0.025		0.00111	0.00500
594-20-7	2,2-Dichloropropane	0.025		0.000176	0.00500
79-20-9	Methyl Acetate	0.023		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.024		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.025		0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.026		0.00210	0.00500
142-28-9	1,3-Dichloropropane	0.024		0.000136	0.00500
108-86-1	Bromobenzene	0.025		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.026		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.026		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.028		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.026		0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD437305

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 437305

Level: (low/med) LOW Lab File ID: 2061210/v7086

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 12/10/06 Time: 1259

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.025		0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.024		0.000421	0.00500
104-51-8	n-Butylbenzene	0.027		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.024		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.027		0.00125	0.00500
91-20-3	Naphthalene	0.026		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.024		0.000359	0.00500
71-43-2	Benzene	0.024		0.000104	0.00500
79-01-6	Trichloroethene	0.024		0.000177	0.00500
108-88-3	Toluene	0.023		0.000550	0.00500
108-90-7	Chlorobenzene	0.024		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7086.d
Lab Smp Id: 437305 Client Smp ID: LCSD for HBN 338509
Inj Date : 10-DEC-2006 12:59
Operator : JCK Inst ID: msv0.i
Smp Info : 437305*LCSD for HBN 338509
Misc Info : MSV~9605~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 13:22 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 6 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.265	1.262	(0.253)	40535	18.5159	18.5	7532
2 Chloromethane ++	50	1.398	1.394	(0.279)	36526	23.5694	23.6	8715
4 Vinyl Chloride +	62	1.451	1.447	(0.290)	29295	23.5535	23.6	8190
5 Bromomethane	94	1.676	1.679	(0.335)	21687	23.7122	23.7	6698
6 Chloroethane	64	1.775	1.772	(0.355)	14079	24.5049	24.5	7087
7 Trichlorofluoromethane	101	1.874	1.871	(0.375)	35624	23.3700	23.4	8923
11 1,1-Dichloroethene +	96	2.259	2.255	(0.452)	25155	24.2848	24.3	9527
14 Carbon Disulfide	76	2.272	2.275	(0.454)	98301	22.9887	23.0	9041
9 1,1,2Trichlotrifluoroethane	101	2.298	2.295	(0.460)	31401	24.2419	24.2	9350
13 Methyl Iodide	142	2.371	2.368	(0.474)	40441	20.9819	21.0	9241
10 Acrolein	56	2.570	2.567	(0.514)	52622	216.747	217	8920(R)
18 Methylene Chloride	49	2.769	2.765	(0.554)	56941	19.5806	19.6	9061
12 Acetone	43	2.875	2.865	(0.575)	68441	23.8302	23.8	8813

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	2.921	2.918	(0.584)	54002	24.9478	24.9	8944
	16 Methyl Acetate	43	2.987	2.984	(0.597)	119781	23.4214	23.4	9455(M2)
	23 Hexane	57	3.000	2.997	(0.600)	53288	26.5242	26.5	9444(M2)
	20 MTBE	73	3.060	3.063	(0.612)	123748	23.4590	23.5	9550
	26 1,1-Dichloroethane ++	63	3.517	3.520	(0.703)	127094	23.7760	23.8	9516
	22 Acrylonitrile	53	3.603	3.600	(0.721)	369627	134.719	135	9835
	27 Vinyl Acetate	43	3.782	3.785	(0.756)	292943	64.1471	64.1	(R)
	30 cis-1,2-Dichloroethene	61	4.000	4.004	(0.800)	115162	24.0813	24.1	9524
	29 2,2-Dichloropropane	77	4.087	4.083	(0.817)	92559	24.5328	24.5	9611
	39 Cyclohexane	56	4.153	4.156	(0.830)	130293	24.7972	24.8	9651
	34 Bromochloromethane	128	4.173	4.169	(0.834)	43519	23.6380	23.6	9296
	38 Chloroform +	83	4.239	4.242	(0.848)	134053	24.8885	24.9	9454
	42 Carbon Tetrachloride	117	4.332	4.328	(0.866)	80074	23.7467	23.7	9361
$	41 Dibromofluoromethane	111	4.385	4.388	(0.877)	160104	39.4733	39.5	8588
	40 1,1,1-Trichloroethane	97	4.391	4.388	(0.878)	90754	24.9199	24.9	8372
	43 1,1-Dichloropropene	75	4.491	4.487	(0.898)	99574	24.5244	24.5	8462
	31 2-Butanone	43	4.517	4.514	(0.903)	201149	22.3964	22.4	
	46 Benzene	78	4.683	4.686	(0.936)	295203	23.7272	23.7	9819
$	47 1,2-Dichloroethane-d4	67	4.795	4.792	(0.959)	98704	40.5092	40.5	9547
	48 1,2-Dichloroethane	62	4.848	4.845	(0.970)	124057	24.7598	24.8	9640
*	49 FLUOROBENZENE	96	5.001	5.004	(1.000)	559922	50.0000		9777
	52 Methyl cyclohexane	83	5.113	5.116	(1.022)	115032	24.8714	24.9	8596
	50 Trichloroethene	130	5.126	5.130	(1.025)	77756	23.6367	23.6	9073
	58 Dibromomethane	93	5.438	5.434	(1.087)	66460	23.2214	23.2	9317
	54 1,2-Dichloropropane +	63	5.510	5.507	(1.102)	91408	23.2255	23.2	9806
	61 Bromodichloromethane	83	5.557	5.560	(1.111)	108876	24.5079	24.5	9522
	64 1-Bromo-2-chloroethane	63	5.888	5.891	(1.177)	157088	23.1735	23.2	9467
	62 2-Chloroethyl vinyl ether	63	5.961	5.964	(1.192)	89489	25.4756	25.5	9664
	65 cis-1,3-Dichloropropene	75	6.001	5.997	(1.200)	144454	23.5664	23.6	
$	67 Toluene-d8	98	6.126	6.123	(0.854)	479770	41.3787	41.4	9908
	68 Toluene +	91	6.160	6.163	(0.859)	304103	23.1157	23.1	9744
	66 4-methyl-2-pentanone	43	6.424	6.428	(1.285)	288109	24.4221	24.4	
	78 Tetrachloroethene	164	6.424	6.421	(0.896)	51690	23.4750	23.5	9198
	71 trans-1,3-Dichloropropene	75	6.444	6.448	(0.898)	140075	24.9797	25.0	
	76 1,1,2-Trichloroethane	97	6.557	6.554	(0.914)	83213	23.9689	24.0	9489
	81 Dibromochloromethane	129	6.676	6.673	(0.931)	89098	23.1102	23.1	9464
	79 1,3-Dichloropropane	76	6.736	6.739	(0.939)	147919	23.8668	23.9	9720
	83 1,2-Dibromoethane(EDB)	107	6.835	6.832	(0.953)	99744	23.8607	23.9	9747
	80 2-Hexanone	43	6.981	6.984	(0.973)	252413	23.6495	23.6	9702
	84 1-Chlorohexane	91	7.166	7.163	(1.433)	124131	25.3845	25.4	3878(M2)
*	85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	244354	50.0000		6105
	86 Chlorobenzene ++	112	7.186	7.183	(1.002)	203172	23.9190	23.9	7883
	87 Ethylbenzene +	106	7.199	7.196	(1.004)	100014	23.9048	23.9	9384
	89 1,1,1,2-Tetrachloroethane	133	7.226	7.229	(1.007)	64529	23.3259	23.3	9231
M	75 Total 1,2-Dichloroethene	61				169164	49.0291	49.0	0
	90 p,m-Xylene	106	7.292	7.295	(1.017)	246638	48.1819	48.2	9623
M	77 1-3 Dichloropropene-Total	100				284529	48.5461	48.5	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	91 o-Xylene	106	7.583	7.587	(1.057)	123445	23.6553	23.7	
	92 Styrene	104	7.623	7.620	(1.063)	219087	23.6179	23.6	9631
	95 Bromoform ++	173	7.650	7.646	(1.066)	62246	23.7068	23.7	9078
	96 Isopropylbenzene	105	7.795	7.792	(1.087)	296168	24.6173	24.6	9642
$	98 Bromofluorobenzene	174	7.994	7.991	(1.114)	161168	50.7581	50.8	9211
	102 Bromobenzene	77	8.067	8.064	(0.922)	167298	25.2369	25.2	9371
	103 n-Propylbenzene	91	8.074	8.070	(0.923)	401970	25.9394	25.9	8971
	101 1,1,2,2-Tetrachloroethane++	83	8.120	8.123	(0.928)	147250	24.1662	24.2	9365
	105 2-Chlorotoluene	91	8.186	8.190	(0.936)	273756	26.1861	26.2	8827
	107 1,3,5-Trimethylbenzene	105	8.199	8.203	(0.937)	264613	25.7640	25.8	
	104 1,2,3-Trichloropropane	75	8.219	8.223	(0.939)	178629	24.7684	24.8	9386
	106 trans-1,4-Dichloro-2-Butene	53	8.239	8.243	(0.942)	39719	23.7909	23.8	9035
	108 4-Chlorotoluene	91	8.299	8.296	(0.949)	248693	25.8663	25.9	9595
	109 tert-butylbenzene	91	8.418	8.421	(0.962)	179461	28.0060	28.0	9397
	110 1,2,4-Trimethylbenzene	105	8.464	8.468	(0.967)	267743	25.2257	25.2	
	112 sec-Butylbenzene	105	8.544	8.541	(0.977)	350187	25.9022	25.9	
	113 p-Isopropyltoluene	119	8.637	8.633	(0.987)	283984	26.2933	26.3	9513
	114 1,3-Dichlorobenzene	146	8.703	8.706	(0.995)	144927	25.1596	25.2	
*	115 1,4-DICHLOROBENZENE-D4	152	8.749	8.753	(1.000)	195198	50.0000		5196
	117 1,4-Dichlorobenzene	146	8.762	8.766	(1.002)	148189	23.9283	23.9	
	119 n-Butylbenzene	91	8.921	8.918	(1.020)	298545	27.3002	27.3	9592
	120 1,2-Dichlorobenzene	146	9.041	9.044	(1.033)	141571	24.3922	24.4	
	121 1,2-Dibromo-3-Chloropropane	157	9.551	9.554	(1.092)	37687	24.5059	24.5	8562
	124 Hexachlorobutadiene	225	9.935	9.938	(1.135)	43676	26.5824	26.6	9293
	123 1,2,4-Trichlorobenzene	180	9.961	9.965	(1.139)	94394	26.4747	26.5	
	125 Napthalene	128	10.160	10.163	(1.161)	370058	25.6146	25.6	9312
	126 1,2,3-Trichlorobenzene	180	10.272	10.276	(1.174)	91354	25.8057	25.8	
M	127 TOTAL XYLENE	106				370083	71.8373	71.8	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2061210.b/v7086.d

Page 1

Date : 10-DEC-2006 12:59

Client ID: LCSD for HBN 338509

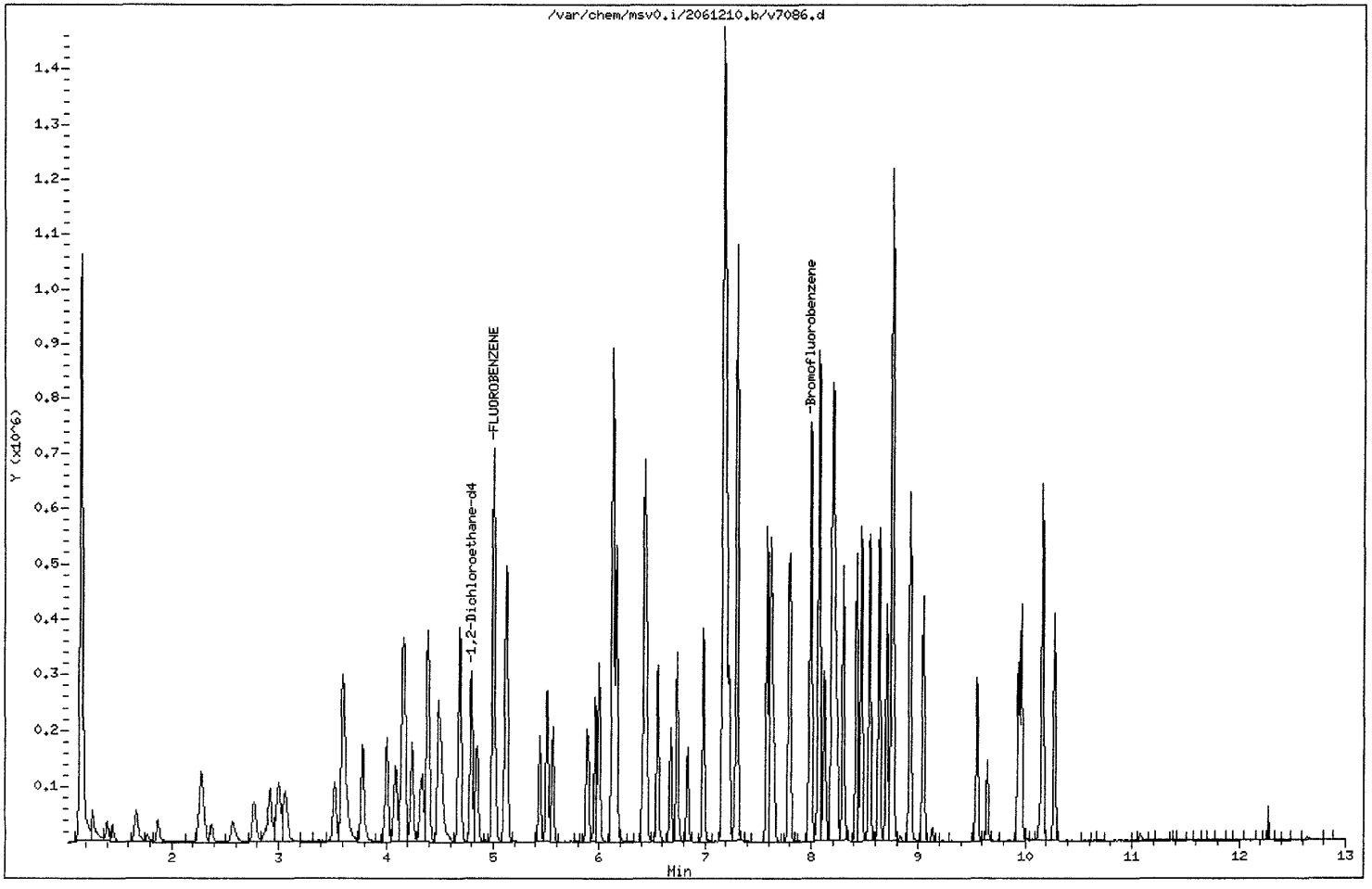
Instrument: msv0.i

Sample Info: 437305*LCSD for HBN 338509

Operator: JCK

Column phase: DB-624-30M

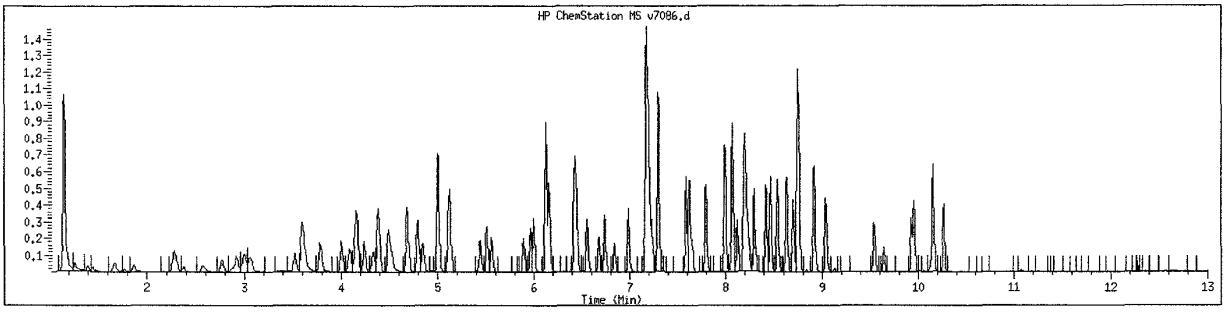
Column diameter: 0.53



Data file : /var/chem/msv0.i/2061210.b/v7086.d Page: 1
Report Date: 12/10/2006 13:22

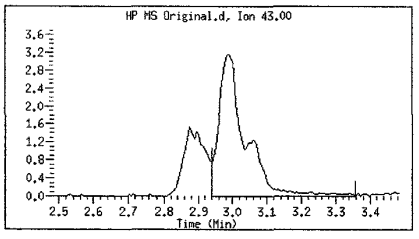
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 437305 SampleType : LCSD
Injection Date: 10-DEC-2006 12:59 Instrument : msv0.i
Operator : JCK
Sample Info : 437305*LCSD for HBN 338509
Misc Info : MSV~9605~*1*JCK
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



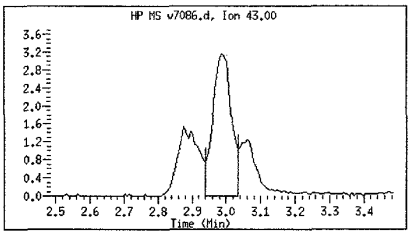
Original Final

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

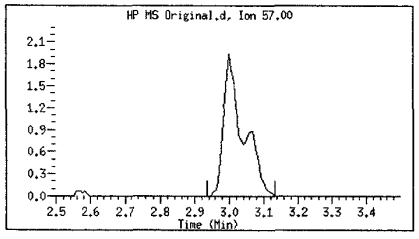


Electronic Signature Applied

User: jck
Date: 10-Dec-2006 13:15

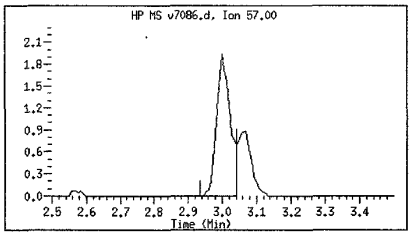


23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: jck
Date: 10-Dec-2006 13:16

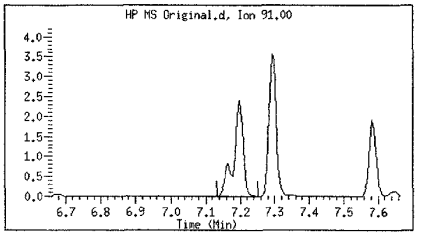


000328

034413

Original Final

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



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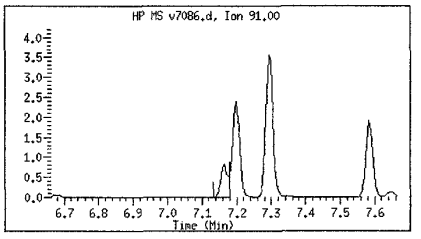
User: jck
Date: 10-Dec-2006 13:16



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

000329

034414

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD437445

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

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

Lab Sample ID: 437445

Level: (low/med) LOW

Lab File ID: 2061211/v7123

% Moisture: not dec.

Date Collected: Time:

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

Date Received:

Instrument ID: MSV0

Date Analyzed: 12/11/06 Time: 0933

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
67-64-1	Acetone	0.026		0.000374	0.025
107-02-8	Acrolein	0.216		0.00234	0.025
107-13-1	Acrylonitrile	0.115		0.000712	0.025
75-27-4	Bromodichloromethane	0.024		0.000135	0.00500
75-25-2	Bromoform	0.022		0.000169	0.00500
74-83-9	Bromomethane	0.014		0.00151	0.00500
75-15-0	Carbon disulfide	0.022		0.000109	0.00500
56-23-5	Carbon tetrachloride	0.025		0.000120	0.00500
75-00-3	Chloroethane	0.025		0.000606	0.00500
136777-61-	m,p-Xylene	0.043		0.000398	0.00500
67-66-3	Chloroform	0.024		0.000141	0.00500
74-87-3	Chloromethane	0.018		0.000464	0.00500
124-48-1	Dibromochloromethane	0.022		0.000090	0.00500
74-95-3	Dibromomethane	0.024		0.000156	0.00500
75-71-8	Dichlorodifluoromethane	0.016		0.000364	0.00500
75-34-3	1,1-Dichloroethane	0.014		0.000159	0.00500
107-06-2	1,2-Dichloroethane	0.025		0.000114	0.00500
156-59-2	cis-1,2-Dichloroethene	0.023		0.000126	0.00500
156-60-5	trans-1,2-Dichloroethene	0.024		0.000164	0.00500
75-09-2	Methylene chloride	0.020		0.000479	0.010
78-87-5	1,2-Dichloropropane	0.023		0.000112	0.00500
10061-01-5	cis-1,3-Dichloropropene	0.023		0.000115	0.00500
10061-02-6	trans-1,3-Dichloropropene	0.023		0.000141	0.00500
100-41-4	Ethylbenzene	0.021		0.000207	0.00500
591-78-6	2-Hexanone	0.024		0.000826	0.00500
98-82-8	Isopropylbenzene (Cumene)	0.022		0.000153	0.00500
78-93-3	2-Butanone	0.024		0.000312	0.00500
74-88-4	Methyl iodide	0.010		0.000906	0.00500
108-10-1	4-Methyl-2-pentanone	0.026		0.000173	0.00500
103-65-1	n-Propylbenzene	0.023		0.000140	0.00500
100-42-5	Styrene	0.022		0.000152	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD437445

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5 (g/ml) g Lab Sample ID: 437445

Level: (low/med) LOW Lab File ID: 2061211/v7123

% Moisture: not dec. Date Collected: Time:

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

Instrument ID: MSV0 Date Analyzed: 12/11/06 Time: 0933

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

Soil Aliquot Volume: (µL) Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
127-18-4	Tetrachloroethene	0.020		0.000192	0.00500
630-20-6	1,1,1,2-Tetrachloroethane	0.022		0.000176	0.00500
79-34-5	1,1,2,2-Tetrachloroethane	0.024		0.000180	0.00500
120-82-1	1,2,4-Trichlorobenzene	0.024		0.000327	0.00500
71-55-6	1,1,1-Trichloroethane	0.023		0.000123	0.00500
79-00-5	1,1,2-Trichloroethane	0.023		0.000114	0.00500
75-69-4	Trichlorofluoromethane	0.022		0.000252	0.00500
96-18-4	1,2,3-Trichloropropane	0.024		0.000245	0.00200
95-63-6	1,2,4-Trimethylbenzene	0.023		0.000198	0.00500
108-67-8	1,3,5-Trimethylbenzene	0.023		0.000163	0.00500
75-01-4	Vinyl chloride	0.021		0.000351	0.00500
95-47-6	o-Xylene	0.021		0.000174	0.00500
96-12-8	1,2-Dibromo-3-chloropropane	0.023		0.000866	0.00500
106-93-4	1,2-Dibromoethane	0.022		0.000150	0.00500
108-05-4	Vinyl acetate	0.063		0.000979	0.00500
1634-04-4	tert-Butyl methyl ether (MTBE)	0.025		0.000074	0.00500
99-87-6	4-Isopropyltoluene	0.023		0.000161	0.00500
1330-20-7	Xylene (total)	0.064		0.000572	0.010
108-87-2	Methylcyclohexane	0.021		0.000370	0.00500
110-57-6	trans-1,4-Dichloro-2-butene	0.023		0.000721	0.00500
110-82-7	Cyclohexane	0.022		0.00111	0.00500
594-20-7	2,2-Dichloropropane	0.023		0.000176	0.00500
79-20-9	Methyl Acetate	0.026		0.00153	0.00500
76-13-1	Trichlorotrifluoroethane	0.023		0.000188	0.00500
563-58-6	1,1-Dichloropropene	0.021		0.000130	0.00500
110-75-8	2-Chloroethylvinyl ether	0.024		0.00210	0.00500
142-28-9	1,3-Dichloropropane	0.023		0.000136	0.00500
108-86-1	Bromobenzene	0.024		0.000235	0.00500
95-49-8	2-Chlorotoluene	0.023		0.000150	0.00500
106-43-4	4-Chlorotoluene	0.023		0.000325	0.00500
98-06-6	tert-Butylbenzene	0.025		0.000252	0.00500
135-98-8	sec-Butylbenzene	0.023		0.000117	0.00500

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

LCSD437445

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

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: 437445

Lab File ID: 2061211/v7123

Date Collected: Time:

Date Received:

Date Analyzed: 12/11/06 Time: 0933

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338541

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
541-73-1	1,3-Dichlorobenzene	0.022		0.000236	0.00500
106-46-7	1,4-Dichlorobenzene	0.022		0.000421	0.00500
104-51-8	n-Butylbenzene	0.024		0.000178	0.00500
95-50-1	1,2-Dichlorobenzene	0.022		0.000114	0.00500
87-68-3	Hexachlorobutadiene	0.023		0.00125	0.00500
91-20-3	Naphthalene	0.025		0.000376	0.00500
75-35-4	1,1-Dichloroethene	0.023		0.000359	0.00500
71-43-2	Benzene	0.022		0.000104	0.00500
79-01-6	Trichloroethene	0.022		0.000177	0.00500
108-88-3	Toluene	0.021		0.000550	0.00500
108-90-7	Chlorobenzene	0.021		0.000165	0.00500

GCAL, Inc.

Data file : /var/chem/msv0.i/2061211.b/v7123.d
Lab Smp Id: 437445 Client Smp ID: LCSD FOR HBN 338541
Inj Date : 11-DEC-2006 09:33
Operator : KCB Inst ID: msv0.i
Smp Info : 437445*LCSD FOR HBN 338541
Misc Info : MSV~9609~*1*JCK
Comment :
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Meth Date : 11-Dec-2006 14:24 ajv Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 5 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8260b.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.261	1.264	(0.252)	36989	16.4319	16.4	7747
2 Chloromethane ++	50	1.400	1.396	(0.280)	28547	17.9147	17.9	8438
4 Vinyl Chloride +	62	1.453	1.456	(0.290)	26471	20.6983	20.7	8254
5 Bromomethane	94	1.678	1.681	(0.335)	13359	14.2052	14.2	5631
6 Chloroethane	64	1.771	1.774	(0.354)	14812	25.0447	25.0	7278
7 Trichlorofluoromethane	101	1.870	1.873	(0.374)	34756	22.3076	22.3	8947
11 1,1-Dichloroethene +	96	2.261	2.257	(0.452)	24509	23.0111	23.0	8869
14 Carbon Disulfide	76	2.274	2.277	(0.455)	96374	21.9188	21.9	9395
9 1,1,2Trichlotrifluoroethane	101	2.294	2.297	(0.459)	30212	22.5872	22.6	9238
13 Methyl Iodide	142	2.374	2.370	(0.474)	17504	10.0164	10.0	8855(R)
10 Acrolein	56	2.572	2.569	(0.514)	53838	215.663	216	8763(R)
18 Methylene Chloride	49	2.771	2.767	(0.554)	60786	20.3286	20.3	9120
12 Acetone	43	2.884	2.867	(0.576)	75434	25.8898	25.9	8855

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	2.923	2.920	(0.584)	54414	24.4475	24.4	9124
	16 Methyl Acetate	43	2.983	2.979	(0.596)	137173	26.0853	26.1	8939(M2)
	23 Hexane	57	3.003	3.006	(0.600)	50857	24.6187	24.6	9335(M2)
	20 MTBE	73	3.062	3.065	(0.612)	136673	25.1974	25.2	9480
	26 1,1-Dichloroethane ++	63	3.519	3.522	(0.703)	74111	13.4834	13.5	9537(R)
	22 Acrylonitrile	53	3.599	3.602	(0.719)	324103	114.882	115	9831
	27 Vinyl Acetate	43	3.784	3.787	(0.756)	296313	63.1025	63.1	(R)
	30 cis-1,2-Dichloroethene	61	4.003	4.006	(0.800)	112693	22.9176	22.9	9589
	29 2,2-Dichloropropane	77	4.089	4.092	(0.817)	87852	22.6455	22.6	9607
	39 Cyclohexane	56	4.155	4.158	(0.831)	119932	22.1983	22.2	9577
	34 Bromochloromethane	128	4.169	4.171	(0.833)	44024	23.2554	23.3	9413
	38 Chloroform +	83	4.241	4.244	(0.848)	134683	24.3185	24.3	9405
	42 Carbon Tetrachloride	117	4.334	4.337	(0.866)	84992	24.5127	24.5	9321
$	41 Dibromofluoromethane	111	4.387	4.390	(0.877)	190544	45.6876	45.7	8189
	40 1,1,1-Trichloroethane	97	4.394	4.397	(0.878)	87049	23.2459	23.2	7998
	43 1,1-Dichloropropene	75	4.493	4.496	(0.898)	89548	21.4492	21.4	8406
	31 2-Butanone	43	4.520	4.516	(0.903)	217951	23.6004	23.6	
	46 Benzene	78	4.685	4.688	(0.936)	280222	21.9043	21.9	9863
$	47 1,2-Dichloroethane-d4	67	4.798	4.794	(0.959)	114583	45.7341	45.7	9551
	48 1,2-Dichloroethane	62	4.844	4.847	(0.968)	128804	25.0010	25.0	9661
*	49 FLUOROBENZENE	96	5.003	5.004	(1.000)	575739	50.0000		9754
	52 Methyl cyclohexane	83	5.116	5.119	(1.022)	101366	21.3145	21.3	9127
	50 Trichloroethene	130	5.129	5.132	(1.025)	72701	21.4929	21.5	9442
	58 Dibromomethane	93	5.434	5.436	(1.086)	69298	23.5478	23.5	9044
	54 1,2-Dichloropropane +	63	5.506	5.509	(1.101)	91338	22.5701	22.6	9766
	61 Bromodichloromethane	83	5.559	5.562	(1.111)	109239	23.9140	23.9	9558
	64 1-Bromo-2-chloroethane	63	5.891	5.893	(1.177)	160214	22.9853	23.0	9484
	62 2-Chloroethyl vinyl ether	63	5.963	5.966	(1.192)	88131	24.3998	24.4	9694
	65 cis-1,3-Dichloropropene	75	5.997	5.999	(1.199)	142788	22.6546	22.7	
$	67 Toluene-d8	98	6.129	6.125	(0.854)	516043	41.7016	41.7	9884
	68 Toluene +	91	6.162	6.165	(0.859)	287310	20.4626	20.5	9724
	66 4-methyl-2-pentanone	43	6.427	6.423	(1.285)	309138	25.4848	25.5	
	78 Tetrachloroethene	164	6.420	6.423	(0.895)	46994	19.9970	20.0	9017
	71 trans-1,3-Dichloropropene	75	6.447	6.450	(0.898)	139589	23.3239	23.3	
	76 1,1,2-Trichloroethane	97	6.553	6.556	(0.913)	85028	22.9479	22.9	9479
	81 Dibromochloromethane	129	6.679	6.675	(0.931)	90273	21.9390	21.9	9421
	79 1,3-Dichloropropane	76	6.738	6.741	(0.939)	149148	22.5482	22.5	9544
	83 1,2-Dibromoethane(EDB)	107	6.838	6.834	(0.953)	99805	22.3703	22.4	9757
	80 2-Hexanone	43	6.983	6.986	(0.973)	272774	23.9462	23.9	9620
	84 1-Chlorohexane	91	7.162	7.165	(1.432)	99126	19.7142	19.7	3823(M2)
*	85 Chlorobenzene-d5	82	7.175	7.170	(1.000)	260793	50.0000		5903
	86 Chlorobenzene ++	112	7.189	7.185	(1.002)	193398	21.3332	21.3	8281
	87 Ethylbenzene +	106	7.202	7.205	(1.004)	92716	20.7636	20.8	9097
	89 1,1,1,2-Tetrachloroethane	133	7.228	7.231	(1.007)	63659	21.5609	21.6	9301
M	75 Total 1,2-Dichloroethene	61				167107	47.3651	47.4	0
	90 p,m-Xylene	106	7.295	7.298	(1.017)	233160	42.6778	42.7	9606
M	77 1-3 Dichloropropene-Total	100				282377	45.9786	46.0	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
91	o-Xylene	106	7.586	7.589	(1.057)	118043	21.1943	21.2	
92	Styrene	104	7.619	7.622	(1.062)	216597	21.8776	21.9	9486
95	Bromoform ++	173	7.646	7.649	(1.066)	61277	21.8667	21.9	8615
96	Isopropylbenzene	105	7.791	7.794	(1.086)	277268	21.5936	21.6	9505
$ 98	Bromofluorobenzene	174	7.990	7.993	(1.114)	145186	42.8425	42.8	8946
102	Bromobenzene	77	8.063	8.066	(0.921)	164011	23.5267	23.5	8708
103	n-Propylbenzene	91	8.069	8.072	(0.922)	374150	22.9591	23.0	9358
101	1,1,2,2-Tetrachloroethane++	83	8.122	8.125	(0.928)	154007	24.0346	24.0	9384
105	2-Chlorotoluene	91	8.189	8.185	(0.936)	249160	22.6636	22.7	9185
107	1,3,5-Trimethylbenzene	105	8.202	8.205	(0.937)	251281	23.2651	23.3	
104	1,2,3-Trichloropropane	75	8.222	8.218	(0.939)	181853	23.9778	24.0	9466
106	trans-1,4-Dichloro-2-Butene	53	8.242	8.245	(0.942)	39632	22.5736	22.6	8987
108	4-Chlorotoluene	91	8.301	8.298	(0.949)	233252	23.0695	23.1	9574
109	tert-butylbenzene	91	8.421	8.423	(0.962)	168506	25.0057	25.0	9407
110	1,2,4-Trimethylbenzene	105	8.467	8.470	(0.967)	256811	23.0082	23.0	
112	sec-Butylbenzene	105	8.540	8.543	(0.976)	332296	23.3725	23.4	
113	p-Isopropyltoluene	119	8.632	8.635	(0.986)	261115	22.9894	23.0	9403
114	1,3-Dichlorobenzene	146	8.705	8.708	(0.995)	131395	21.6908	21.7	
* 115	1,4-DICHLOROBENZENE-D4	152	8.752	8.753	(1.000)	205273	50.0000		5384
117	1,4-Dichlorobenzene	146	8.765	8.761	(1.002)	144166	22.1362	22.1	
119	n-Butylbenzene	91	8.917	8.920	(1.019)	272569	23.7015	23.7	9542
120	1,2-Dichlorobenzene	146	9.043	9.046	(1.033)	136603	22.3810	22.4	
121	1,2-Dibromo-3-Chloropropane	157	9.553	9.556	(1.092)	36782	22.7435	22.7	8863
124	Hexachlorobutadiene	225	9.931	9.940	(1.135)	40284	23.3145	23.3	9333
123	1,2,4-Trichlorobenzene	180	9.964	9.967	(1.138)	90287	24.0799	24.1	
125	Napthalene	128	10.156	10.172	(1.160)	376178	24.7603	24.8	9325
126	1,2,3-Trichlorobenzene	180	10.268	10.285	(1.173)	92685	24.8967	24.9	
M 127	TOTAL XYLENE	106				351203	63.8721	63.9	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.

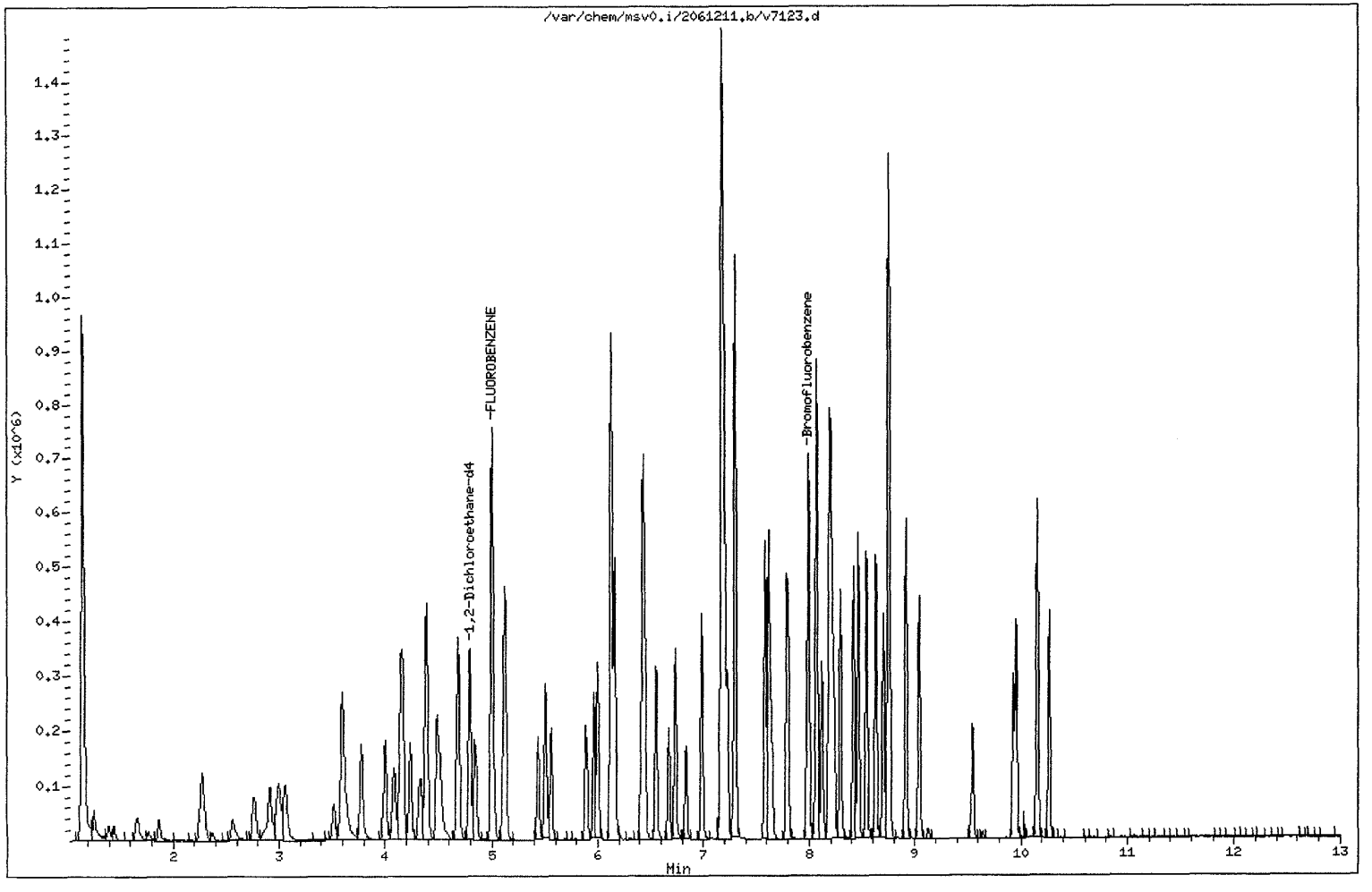
034420

Data File: /var/chem/msv0.i/2061211.b/v7123.d
Date : 11-DEC-2006 09:33
Client ID: LCSD FOR HBN 338541
Sample Info: 437445%LCSD FOR HBN 338541

Column phase: DB-624-30M

Instrument: msv0.i

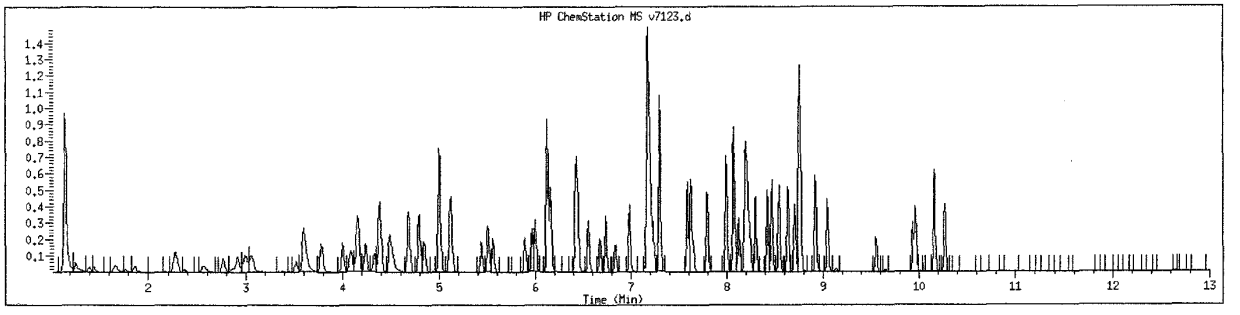
Operator: KCB
Column diameter: 0.53



Data file : /var/chem/msv0.i/2061211.b/v7123.d Page: 1
Report Date: 12/11/2006 14:24

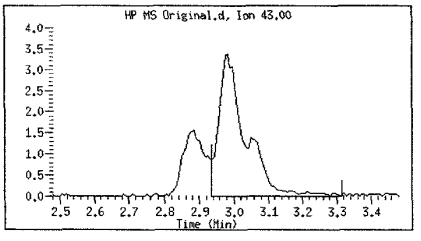
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 437445 SampleType : LCSD
Injection Date: 11-DEC-2006 09:33 Instrument : msv0.i
Operator : KCB
Sample Info : 437445*LCSD FOR HBN 338541
Misc Info : MSV~9609~*1*JCK
Method : /var/chem/msv0.i/2061211.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



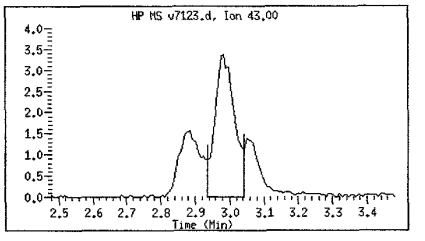
Original Final

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

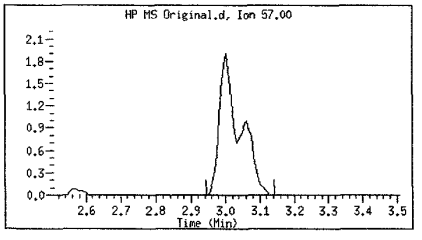


Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 11:07



23 Hexane CAS#: 110-54-3 Reason: M2



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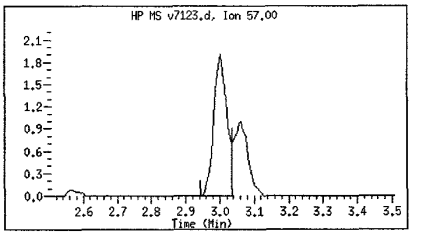
Date: 11-Dec-2006 11:07

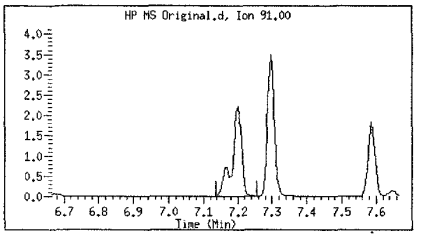


000337

034422

Original Final

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



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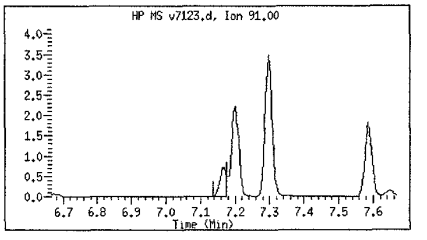

M2- Compound response manually integrated because Target system integrated incorrectly.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Lab Sample ID: 20612072804

Level: (low/med) LOW

Lab File ID: 2061210/v7096ms

% Moisture: not dec. 45.5

Date Collected: 12/06/06 Time: 1115

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1659

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.043		0.000322	0.00916
71-55-6	1,1,1-Trichloroethane	0.049		0.000225	0.00916
79-34-5	1,1,2,2-Tetrachloroethane	0.029		0.000330	0.00916
79-00-5	1,1,2-Trichloroethane	0.043		0.000209	0.00916
75-34-3	1,1-Dichloroethane	0.050		0.000291	0.00916
75-35-4	1,1-Dichloroethene	0.064		0.000658	0.00916
563-58-6	1,1-Dichloropropene	0.045		0.000238	0.00916
96-18-4	1,2,3-Trichloropropane	0.029		0.000449	0.00366
120-82-1	1,2,4-Trichlorobenzene	0.047		0.000599	0.00916
95-63-6	1,2,4-Trimethylbenzene	0.037		0.000363	0.00916
96-12-8	1,2-Dibromo-3-chloropropane	0.038		0.00159	0.00916
106-93-4	1,2-Dibromoethane	0.038		0.000275	0.00916
95-50-1	1,2-Dichlorobenzene	0.048		0.000209	0.00916
107-06-2	1,2-Dichloroethane	0.044		0.000209	0.00916
78-87-5	1,2-Dichloropropane	0.044		0.000205	0.00916
108-67-8	1,3,5-Trimethylbenzene	0.034		0.000299	0.00916
541-73-1	1,3-Dichlorobenzene	0.045		0.000432	0.00916
142-28-9	1,3-Dichloropropane	0.043		0.000249	0.00916
106-46-7	1,4-Dichlorobenzene	0.046		0.000771	0.00916
594-20-7	2,2-Dichloropropane	0.047		0.000322	0.00916
78-93-3	2-Butanone	0.025		0.000572	0.00916
110-75-8	2-Chloroethylvinyl ether	0.038		0.00385	0.00916
95-49-8	2-Chlorotoluene	0.034		0.000275	0.00916
591-78-6	2-Hexanone	0.030		0.00151	0.00916
106-43-4	4-Chlorotoluene	0.033		0.000595	0.00916
99-87-6	4-Isopropyltoluene	0.043		0.000295	0.00916
108-10-1	4-Methyl-2-pentanone	0.032		0.000317	0.00916
67-64-1	Acetone	0.035	J	0.000685	0.046
107-02-8	Acrolein	0.177		0.00429	0.046
107-13-1	Acrylonitrile	0.158		0.00130	0.046
71-43-2	Benzene	0.045		0.000191	0.00916

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Lab Sample ID: 20612072804

Level: (low/med) LOW

Lab File ID: 2061210/v7096ms

% Moisture: not dec. 45.5

Date Collected: 12/06/06 Time: 1115

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1659

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.033		0.000431	0.00916
75-27-4	Bromodichloromethane	0.045		0.000247	0.00916
75-25-2	Bromoform	0.029		0.000310	0.00916
74-83-9	Bromomethane	0.044		0.00276	0.00916
104-51-8	n-Butylbenzene	0.053		0.000326	0.00916
75-15-0	Carbon disulfide	0.053		0.000200	0.00916
56-23-5	Carbon tetrachloride	0.043		0.000220	0.00916
108-90-7	Chlorobenzene	0.044		0.000302	0.00916
75-00-3	Chloroethane	0.047		0.00111	0.00916
67-66-3	Chloroform	0.047		0.000258	0.00916
74-87-3	Chloromethane	0.040		0.000850	0.00916
110-82-7	Cyclohexane	0.045		0.00203	0.00916
124-48-1	Dibromochloromethane	0.041		0.000165	0.00916
74-95-3	Dibromomethane	0.039		0.000286	0.00916
75-71-8	Dichlorodifluoromethane	0.032		0.000667	0.00916
10061-01-5	cis-1,3-Dichloropropene	0.042		0.000211	0.00916
10061-02-6	trans-1,3-Dichloropropene	0.046		0.000258	0.00916
100-41-4	Ethylbenzene	0.044		0.000379	0.00916
87-68-3	Hexachlorobutadiene	0.047		0.00228	0.00916
98-82-8	Isopropylbenzene (Cumene)	0.038		0.000280	0.00916
79-20-9	Methyl Acetate	0.037		0.00280	0.00916
74-88-4	Methyl iodide	0.040		0.00166	0.00916
108-87-2	Methylcyclohexane	0.045		0.000678	0.00916
75-09-2	Methylene chloride	0.039		0.000878	0.018
91-20-3	Naphthalene	0.041		0.000689	0.00916
100-42-5	Styrene	0.037		0.000278	0.00916
127-18-4	Tetrachloroethene	0.047		0.000352	0.00916
108-88-3	Toluene	0.048		0.00101	0.00916
79-01-6	Trichloroethene	0.043		0.000324	0.00916
75-69-4	Trichlorofluoromethane	0.041		0.000462	0.00916
76-13-1	Trichlorotrifluoroethane	0.063		0.000344	0.00916
108-05-4	Vinyl acetate	0.045		0.00179	0.00916

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5) MS

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 5.01 (g/ml) g

Level: (low/med) LOW

% Moisture: not dec. 45.5

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

Instrument ID: MSV0

Soil Extract Volume: (µL)

Soil Aliquot Volume: (µL)

Lab Sample ID: 20612072804

Lab File ID: 2061210/v7096ms

Date Collected: 12/06/06 Time: 1115

Date Received: 12/07/06

Date Analyzed: 12/10/06 Time: 1659

Dilution Factor: 1 Analyst: KCB

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.043		0.000643	0.00916
1330-20-7	Xylene (total)	0.128		0.00105	0.018
156-59-2	cis-1,2-Dichloroethene	0.046		0.000231	0.00916
136777-61-	m,p-Xylene	0.088		0.000729	0.00916
103-65-1	n-Propylbenzene	0.034		0.000257	0.00916
95-47-6	o-Xylene	0.040		0.000319	0.00916
135-98-8	sec-Butylbenzene	0.039		0.000214	0.00916
1634-04-4	tert-Butyl methyl ether (MTBE)	0.045		0.000136	0.00916
98-06-6	tert-Butylbenzene	0.038		0.000462	0.00916
156-60-5	trans-1,2-Dichloroethene	0.051		0.000300	0.00916
110-57-6	trans-1,4-Dichloro-2-butene	0.028		0.00132	0.00916

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7096ms.d
Lab Smp Id: 20612072804 Client Smp ID: SWSED1-001 (0-0.5)
Inj Date : 10-DEC-2006 16:59
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072804*SWSED1-001 (0-0.5) MS
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 14 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	5.01000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.259	1.262	(0.251)	36435	17.2213	17.2	6531
2 Chloromethane ++	50	1.398	1.394	(0.279)	32450	21.6667	21.6	8951
4 Vinyl Chloride +	62	1.451	1.447	(0.290)	28140	23.4109	23.4	8342
5 Bromomethane	94	1.676	1.679	(0.335)	21391	24.2011	24.2	8380
6 Chloroethane	64	1.769	1.772	(0.353)	14170	25.4705	25.4	7390
7 Trichlorofluoromethane	101	1.868	1.871	(0.373)	33042	22.5332	22.5	8930
11 1,1-Dichloroethene +	96	2.259	2.255	(0.451)	34989	34.9522	34.9	9546(R)
14 Carbon Disulfide	76	2.279	2.275	(0.455)	119268	28.8611	28.8	9158
9 1,1,2Trichlotrifluoroethane	101	2.292	2.295	(0.458)	42227	34.3166	34.2	9097(R)
13 Methyl Iodide	142	2.371	2.368	(0.474)	40939	21.8811	21.8	9247
10 Acrolein	56	2.557	2.567	(0.511)	22660	96.5779	96.4	8852
18 Methylene Chloride	49	2.769	2.765	(0.553)	59136	21.0419	21.0	9220
12 Acetone	43	2.861	2.865	(0.571)	54199	18.8092	18.8	8639

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	2.921	2.918	(0.583)	58786	28.1014	28.0	9352
	16 Methyl Acetate	43	2.981	2.984	(0.595)	98792	19.9885	19.9	9272(M2)
	23 Hexane	57	3.001	2.997	(0.599)	56476	29.0877	29.0	8972(M2)
	20 MTBE	73	3.060	3.063	(0.611)	124790	24.4784	24.4	9545
	26 1,1-Dichloroethane ++	63	3.524	3.520	(0.704)	141132	27.3194	27.3	9535
	22 Acrylonitrile	53	3.590	3.600	(0.717)	229212	86.4441	86.3	9817
	27 Vinyl Acetate	43	3.782	3.785	(0.755)	107462	24.3490	24.3	
	30 cis-1,2-Dichloroethene	61	4.001	4.004	(0.799)	116674	25.2451	25.2	9476
	29 2,2-Dichloropropane	77	4.087	4.083	(0.816)	94342	25.8742	25.8	9621
	39 Cyclohexane	56	4.160	4.156	(0.831)	125761	24.7663	24.7	9204
	34 Bromochloromethane	128	4.166	4.169	(0.832)	41167	23.1373	23.1	9563
	38 Chloroform +	83	4.239	4.242	(0.847)	134411	25.8220	25.8	9429
	42 Carbon Tetrachloride	117	4.332	4.328	(0.865)	77209	23.6925	23.6	9234
$	41 Dibromofluoromethane	111	4.385	4.388	(0.876)	176986	45.1515	45.1	8262
	40 1,1,1-Trichloroethane	97	4.391	4.388	(0.877)	94106	26.7380	26.7	8181
	43 1,1-Dichloropropene	75	4.491	4.487	(0.897)	96650	24.6313	24.6	8310
	31 2-Butanone	43	4.511	4.514	(0.901)	119094	13.7209	13.7	
	46 Benzene	78	4.689	4.686	(0.936)	294973	24.5324	24.5	9794
$	47 1,2-Dichloroethane-d4	67	4.795	4.792	(0.958)	105516	44.8094	44.7	9587
	48 1,2-Dichloroethane	62	4.842	4.845	(0.967)	116748	24.1106	24.1	9603
*	49 FLUOROBENZENE	96	5.007	5.004	(1.000)	541122	50.0000		9829
	52 Methyl cyclohexane	83	5.113	5.116	(1.021)	108830	24.3479	24.3	8269
	50 Trichloroethene	130	5.133	5.130	(1.025)	74747	23.5115	23.5	9543
	58 Dibromomethane	93	5.438	5.434	(1.086)	58601	21.1868	21.1	9144
	54 1,2-Dichloropropane +	63	5.511	5.507	(1.101)	90849	23.8855	23.8	9680
	61 Bromodichloromethane	83	5.557	5.560	(1.110)	104443	24.3268	24.3	9498
	64 1-Bromo-2-chloroethane	63	5.888	5.891	(1.176)	139766	21.3345	21.3	9412
	62 2-Chloroethyl vinyl ether	63	5.961	5.964	(1.190)	70608	20.7990	20.8	9632
	65 cis-1,3-Dichloropropene	75	6.001	5.997	(1.198)	134608	22.7231	22.7	
$	67 Toluene-d8	98	6.127	6.123	(0.854)	480580	47.7480	47.7	9824
	68 Toluene +	91	6.160	6.163	(0.859)	296686	25.9795	25.9	9713
	66 4-methyl-2-pentanone	43	6.425	6.428	(1.283)	200386	17.5763	17.5	
	78 Tetrachloroethene	164	6.425	6.421	(0.896)	49507	25.9007	25.8	9426
	71 trans-1,3-Dichloropropene	75	6.445	6.448	(0.898)	123163	25.3019	25.3	
	76 1,1,2-Trichloroethane	97	6.557	6.554	(0.914)	71012	23.5632	23.5	9586
	81 Dibromochloromethane	129	6.676	6.673	(0.931)	74813	22.3542	22.3	9353
	79 1,3-Dichloropropane	76	6.736	6.739	(0.939)	125486	23.3245	23.3	9552
	83 1,2-Dibromoethane(EDB)	107	6.835	6.832	(0.953)	75436	20.7884	20.7	9694
	80 2-Hexanone	43	6.981	6.984	(0.973)	150718	16.2675	16.2	9536
	84 1-Chlorohexane	91	7.166	7.163	(1.431)	107202	22.6842	22.6	3900(M2)
*	85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	212116	50.0000		6239
	86 Chlorobenzene ++	112	7.186	7.183	(1.002)	176957	23.9990	24.0	7689
	87 Ethylbenzene +	106	7.200	7.196	(1.004)	86672	23.8644	23.8	9423
	89 1,1,1,2-Tetrachloroethane	133	7.226	7.229	(1.007)	56475	23.5172	23.5	9076
M	75 Total 1,2-Dichloroethene	61				175460	53.3465	53.2	0
	90 p,m-Xylene	106	7.299	7.295	(1.018)	214199	48.2045	48.1	9680
M	77 1-3 Dichloropropene-Total	100				257771	48.0250	47.9	0

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
91 o-Xylene	106	7.584	7.587	(1.057)	98008	21.6353	21.6	
92 Styrene	104	7.623	7.620	(1.063)	161489	20.0546	20.0	9636
95 Bromoform ++	173	7.643	7.646	(1.066)	35543	15.5942	15.6	8186(R)
96 Isopropylbenzene	105	7.796	7.792	(1.087)	217204	20.7977	20.8	9584
$ 98 Bromofluorobenzene	174	7.994	7.991	(1.114)	89545	32.4873	32.4	9112
102 Bromobenzene	77	8.067	8.064	(0.922)	109587	18.0379	18.0	9299(R)
103 n-Propylbenzene	91	8.074	8.070	(0.923)	262368	18.4739	18.4	9004(R)
101 1,1,2,2-Tetrachloroethane++	83	8.120	8.123	(0.928)	89701	16.0632	16.0	9353(R)
105 2-Chlorotoluene	91	8.186	8.190	(0.936)	178780	18.6599	18.6	8592(R)
107 1,3,5-Trimethylbenzene	105	8.200	8.203	(0.937)	173161	18.3964	18.4	(R)
104 1,2,3-Trichloropropane	75	8.220	8.223	(0.939)	105256	15.9248	15.9	9054(R)
106 trans-1,4-Dichloro-2-Butene	53	8.239	8.243	(0.942)	23483	15.3478	15.3	9214(R)
108 4-Chlorotoluene	91	8.299	8.296	(0.949)	160468	18.2113	18.2	9463(R)
109 tert-butylbenzene	91	8.425	8.421	(0.963)	122626	20.8807	20.8	9450
110 1,2,4-Trimethylbenzene	105	8.465	8.468	(0.967)	196985	20.2507	20.2	
112 sec-Butylbenzene	105	8.544	8.541	(0.977)	264518	21.3488	21.3	
113 p-Isopropyltoluene	119	8.637	8.633	(0.987)	233812	23.6211	23.6	9516
114 1,3-Dichlorobenzene	146	8.703	8.706	(0.995)	128844	24.4062	24.4	
* 115 1,4-DICHLOROBENZENE-D4	152	8.749	8.753	(1.000)	178893	50.0000		5146
117 1,4-Dichlorobenzene	146	8.763	8.766	(1.002)	144152	25.3980	25.3	
119 n-Butylbenzene	91	8.922	8.918	(1.020)	290619	28.9976	28.9	9638
120 1,2-Dichlorobenzene	146	9.041	9.044	(1.033)	139693	26.2623	26.2	
121 1,2-Dibromo-3-Chloropropane	157	9.551	9.554	(1.092)	29451	20.8959	20.9	8676
124 Hexachlorobutadiene	225	9.935	9.938	(1.135)	38431	25.5220	25.5	9356
123 1,2,4-Trichlorobenzene	180	9.961	9.965	(1.139)	84517	25.8650	25.8	
125 Napthalene	128	10.160	10.163	(1.161)	293843	22.1930	22.1	9310
126 1,2,3-Trichlorobenzene	180	10.273	10.276	(1.174)	79153	24.3971	24.3	
M 127 TOTAL XYLENE	106				312207	69.8398	69.7	0

QC Flag Legend

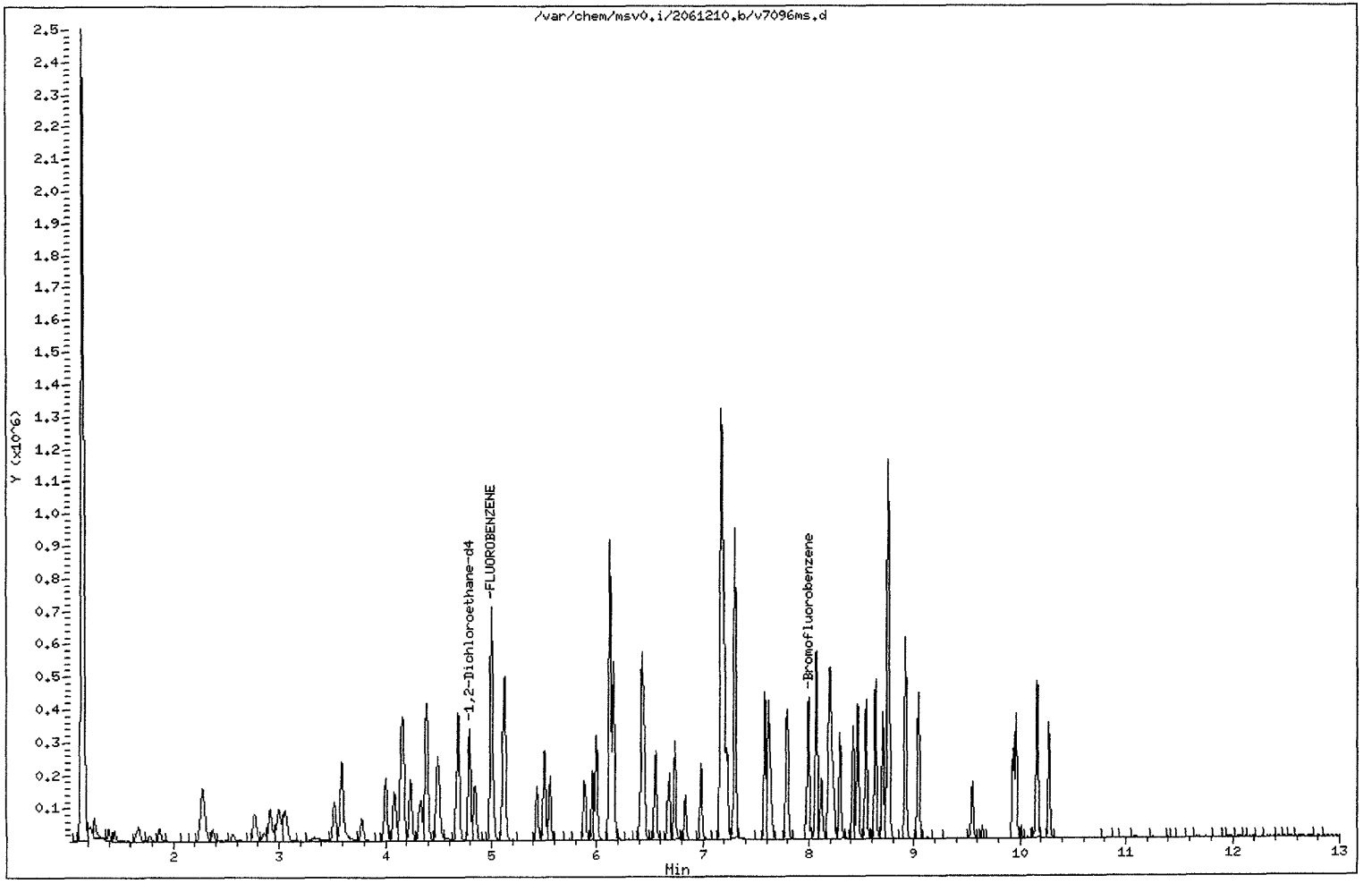
R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2061210.b/v7096ms.d
Date : 10-DEC-2006 16:59
Client ID: SWSED1-001 (0-0.5)
Sample Info: 20612072804*SWSED1-001 (0-0.5) MS

Column phase: DB-624-30M

Instrument: msv0.i

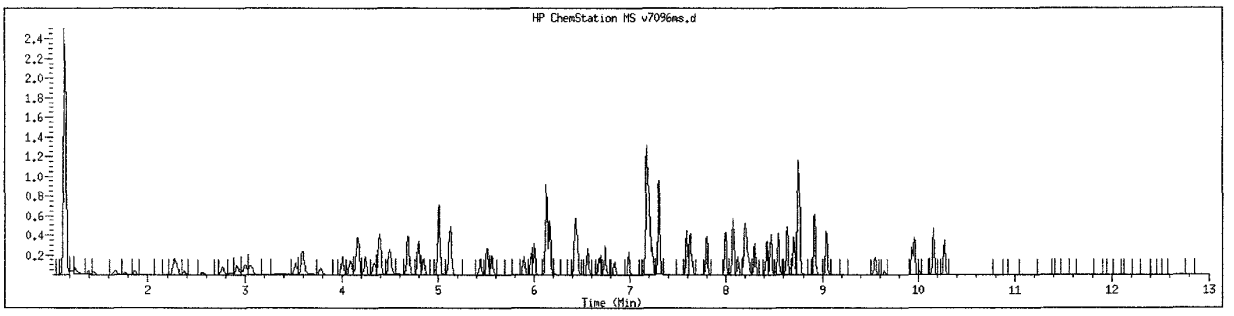
Operator: KCB
Column diameter: 0.53



Data file : /var/chem/msv0.i/2061210.b/v7096ms.d Page: 1
Report Date: 12/11/2006 06:19

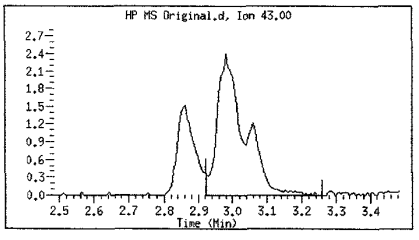
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072804 SampleType : MS
Injection Date: 10-DEC-2006 16:59 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072804*SWSED1-001 (0-0.5) MS
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



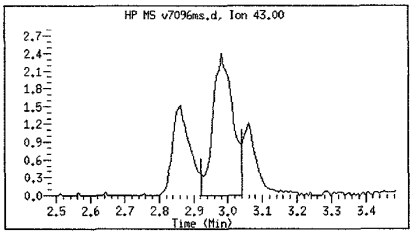
Original Final

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

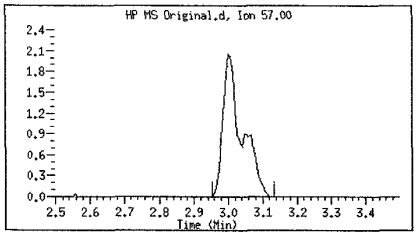


Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 06:17

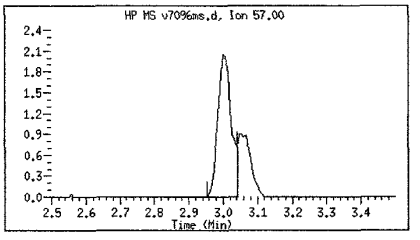


23 Hexane CAS#: 110-54-3 Reason: M2



Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 06:17



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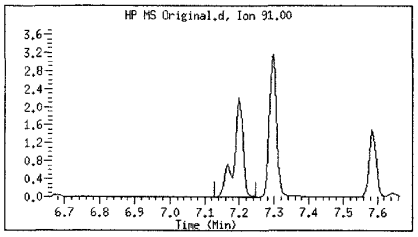
034431

Original Final

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



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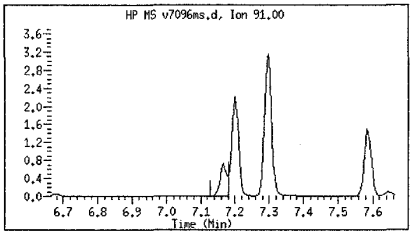


M2- Compound response manually integrated because Target system integrated incorrectly.

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.96 (g/ml) g

Lab Sample ID: 20612072805

Level: (low/med) LOW

Lab File ID: 2061210/v7094msd

% Moisture: not dec. 45.5

Date Collected: 12/06/06 Time: 1115

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1617

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

CONCENTRATION UNITS: *mg/kg*

Analytical Method: SW-846 8260

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
630-20-6	1,1,1,2-Tetrachloroethane	0.043		0.000326	0.00925
71-55-6	1,1,1-Trichloroethane	0.050		0.000228	0.00925
79-34-5	1,1,2,2-Tetrachloroethane	0.046		0.000333	0.00925
79-00-5	1,1,2-Trichloroethane	0.043		0.000211	0.00925
75-34-3	1,1-Dichloroethane	0.048		0.000294	0.00925
75-35-4	1,1-Dichloroethene	0.054		0.000664	0.00925
563-58-6	1,1-Dichloropropene	0.046		0.000241	0.00925
96-18-4	1,2,3-Trichloropropane	0.044		0.000453	0.00370
120-82-1	1,2,4-Trichlorobenzene	0.044		0.000605	0.00925
95-63-6	1,2,4-Trimethylbenzene	0.048		0.000366	0.00925
96-12-8	1,2-Dibromo-3-chloropropane	0.040		0.00160	0.00925
106-93-4	1,2-Dibromoethane	0.042		0.000278	0.00925
95-50-1	1,2-Dichlorobenzene	0.044		0.000211	0.00925
107-06-2	1,2-Dichloroethane	0.047		0.000211	0.00925
78-87-5	1,2-Dichloropropane	0.044		0.000207	0.00925
108-67-8	1,3,5-Trimethylbenzene	0.048		0.000302	0.00925
541-73-1	1,3-Dichlorobenzene	0.046		0.000437	0.00925
142-28-9	1,3-Dichloropropane	0.042		0.000252	0.00925
106-46-7	1,4-Dichlorobenzene	0.044		0.000779	0.00925
594-20-7	2,2-Dichloropropane	0.048		0.000326	0.00925
78-93-3	2-Butanone	0.039		0.000577	0.00925
110-75-8	2-Chloroethylvinyl ether	0.044		0.00389	0.00925
95-49-8	2-Chlorotoluene	0.048		0.000278	0.00925
591-78-6	2-Hexanone	0.041		0.00153	0.00925
106-43-4	4-Chlorotoluene	0.047		0.000601	0.00925
99-87-6	4-Isopropyltoluene	0.048		0.000298	0.00925
108-10-1	4-Methyl-2-pentanone	0.044		0.000320	0.00925
67-64-1	Acetone	0.055		0.000692	0.046
107-02-8	Acrolein	0.019	J	0.00433	0.046
107-13-1	Acrylonitrile	0.222		0.00132	0.046
71-43-2	Benzene	0.045		0.000192	0.00925

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.96 (g/ml) g

Lab Sample ID: 20612072805

Level: (low/med) LOW

Lab File ID: 2061210/v7094msd

% Moisture: not dec. 45.5

Date Collected: 12/06/06 Time: 1115

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1617

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: *mg/kg*

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
108-86-1	Bromobenzene	0.048		0.000435	0.00925
75-27-4	Bromodichloromethane	0.047		0.000250	0.00925
75-25-2	Bromoform	0.041		0.000313	0.00925
74-83-9	Bromomethane	0.037		0.00279	0.00925
104-51-8	n-Butylbenzene	0.049		0.000329	0.00925
75-15-0	Carbon disulfide	0.032		0.000202	0.00925
56-23-5	Carbon tetrachloride	0.046		0.000222	0.00925
108-90-7	Chlorobenzene	0.043		0.000305	0.00925
75-00-3	Chloroethane	0.046		0.00112	0.00925
67-66-3	Chloroform	0.048		0.000261	0.00925
74-87-3	Chloromethane	0.041		0.000859	0.00925
110-82-7	Cyclohexane	0.048		0.00205	0.00925
124-48-1	Dibromochloromethane	0.041		0.000167	0.00925
74-95-3	Dibromomethane	0.044		0.000289	0.00925
75-71-8	Dichlorodifluoromethane	0.036		0.000674	0.00925
10061-01-5	cis-1,3-Dichloropropene	0.043		0.000213	0.00925
10061-02-6	trans-1,3-Dichloropropene	0.044		0.000261	0.00925
100-41-4	Ethylbenzene	0.044		0.000383	0.00925
87-68-3	Hexachlorobutadiene	0.044		0.00230	0.00925
98-82-8	Isopropylbenzene (Cumene)	0.045		0.000283	0.00925
79-20-9	Methyl Acetate	0.030		0.00283	0.00925
74-88-4	Methyl iodide	0.028		0.00168	0.00925
108-87-2	Methylcyclohexane	0.047		0.000685	0.00925
75-09-2	Methylene chloride	0.040		0.000886	0.019
91-20-3	Naphthalene	0.042		0.000696	0.00925
100-42-5	Styrene	0.042		0.000281	0.00925
127-18-4	Tetrachloroethene	0.044		0.000355	0.00925
108-88-3	Toluene	0.043		0.00102	0.00925
79-01-6	Trichloroethene	0.043		0.000328	0.00925
75-69-4	Trichlorofluoromethane	0.041		0.000466	0.00925
76-13-1	Trichlorotrifluoroethane	0.056		0.000348	0.00925
108-05-4	Vinyl acetate	0.011		0.00181	0.00925

1A

VOLATILE ORGANICS ANALYSIS DATA SHEET

SAMPLE NO.

2WSED1-001 (0-0.5) MSD

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix: (soil/water) Soil

Sample wt/vol: 4.96 (g/ml) g

Lab Sample ID: 20612072805

Level: (low/med) LOW

Lab File ID: 2061210/v7094msd

% Moisture: not dec. 45.5

Date Collected: 12/06/06 Time: 1115

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

Date Received: 12/07/06

Instrument ID: MSV0

Date Analyzed: 12/10/06 Time: 1617

Soil Extract Volume: (µL)

Dilution Factor: 1 Analyst: KCB

Soil Aliquot Volume: (µL)

Prep Batch: Analytical Batch: 338509

Analytical Method: SW-846 8260

CONCENTRATION UNITS: mg/kg

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
75-01-4	Vinyl chloride	0.044		0.000650	0.00925
1330-20-7	Xylene (total)	0.134		0.00106	0.019
156-59-2	cis-1,2-Dichloroethene	0.047		0.000233	0.00925
136777-61-	m,p-Xylene	0.090		0.000737	0.00925
103-65-1	n-Propylbenzene	0.048		0.000259	0.00925
95-47-6	o-Xylene	0.044		0.000322	0.00925
135-98-8	sec-Butylbenzene	0.048		0.000217	0.00925
1634-04-4	tert-Butyl methyl ether (MTBE)	0.046		0.000137	0.00925
98-06-6	tert-Butylbenzene	0.053		0.000466	0.00925
156-60-5	trans-1,2-Dichloroethene	0.052		0.000304	0.00925
110-57-6	trans-1,4-Dichloro-2-butene	0.038		0.00133	0.00925

GCAL, Inc.

Data file : /var/chem/msv0.i/2061210.b/v7094msd.d
Lab Smp Id: 20612072805 Client Smp ID: SWSED1-001 (0-0.5)
Inj Date : 10-DEC-2006 16:17
Operator : KCB Inst ID: msv0.i
Smp Info : 20612072805*SWSED1-001 (0-0.5) MSD
Misc Info : MSV~9605~*1*KCB
Comment :
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Meth Date : 10-Dec-2006 15:17 kcb Quant Type: ISTD
Cal Date : 09-DEC-2006 23:25 Cal File: v7075.d
Als bottle: 12 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	4.96000	Weight of sample extracted (g)

Cpnd Variable Local Compound Variable

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
1 Dichlorodifluoromethane	85	1.259	1.262	(0.252)	39497	19.6592	19.8	6436
2 Chloromethane ++	50	1.391	1.394	(0.278)	31806	22.3637	22.5	8437
4 Vinyl Chloride +	62	1.444	1.447	(0.289)	27276	23.8963	24.1	8347
5 Bromomethane	94	1.676	1.679	(0.335)	16744	19.9489	20.1	9045
6 Chloroethane	64	1.769	1.772	(0.354)	13041	24.7220	24.9	7088
7 Trichlorofluoromethane	101	1.875	1.871	(0.375)	31087	22.3499	22.5	8793
11 1,1-Dichloroethene +	96	2.252	2.255	(0.450)	27674	29.1119	29.3	8432
14 Carbon Disulfide	76	2.272	2.275	(0.454)	67200	17.1243	17.3	9068(R)
9 1,1,2Trichlotrifluoroethane	101	2.292	2.295	(0.458)	35406	30.1256	30.4	9295
13 Methyl Iodide	142	2.372	2.368	(0.474)	26133	15.3792	15.5	8980
10 Acrolein	56	2.564	2.567	(0.513)	2270	10.1882	10.3	4953(R)
18 Methylene Chloride	49	2.769	2.765	(0.554)	58203	21.8089	22.0	9110
12 Acetone	43	2.862	2.865	(0.572)	75413	29.6645	29.9	8899

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	FINAL (ug/Kg)	SIMILARITY
	21 trans-1,2-Dichloroethene	61	2.921	2.918	(0.584)	55543	27.9601	28.2	9294
	16 Methyl Acetate	43	2.994	2.984	(0.599)	75998	16.1925	16.3	8175(M2)
	23 Hexane	57	3.001	2.997	(0.600)	50703	27.5001	27.7	9177
	20 MTBE	73	3.060	3.063	(0.612)	121507	25.0992	25.3	9397
	26 1,1-Dichloroethane ++	63	3.517	3.520	(0.703)	127564	26.0034	26.2	9521
	22 Acrylonitrile	53	3.597	3.600	(0.719)	301360	119.685	121	9834
	27 Vinyl Acetate	43	3.782	3.785	(0.756)	24777	5.91195	5.96	(R)
	30 cis-1,2-Dichloroethene	61	4.001	4.004	(0.800)	111686	25.4482	25.7	9533
	29 2,2-Dichloropropane	77	4.087	4.083	(0.817)	89819	25.9409	26.2	9615
	39 Cyclohexane	56	4.153	4.156	(0.830)	124585	25.8366	26.0	9657
	34 Bromochloromethane	128	4.167	4.169	(0.833)	40557	24.0041	24.2	9643
	38 Chloroform +	83	4.239	4.242	(0.848)	127996	25.8944	26.1	9481
	42 Carbon Tetrachloride	117	4.332	4.328	(0.866)	76215	24.6286	24.8	9279
$	41 Dibromofluoromethane	111	4.385	4.388	(0.877)	173107	46.5054	46.9	8374
	40 1,1,1-Trichloroethane	97	4.392	4.388	(0.878)	90012	26.9320	27.1	8126
	43 1,1-Dichloropropene	75	4.491	4.487	(0.898)	93405	25.0675	25.3	8223
	31 2-Butanone	43	4.511	4.514	(0.902)	173542	21.0548	21.2	
	46 Benzene	78	4.683	4.686	(0.936)	277753	24.3260	24.5	9891
$	47 1,2-Dichloroethane-d4	67	4.796	4.792	(0.959)	102235	45.7200	46.1	9549
	48 1,2-Dichloroethane	62	4.849	4.845	(0.970)	117206	25.4896	25.7	9653
*	49 FLUOROBENZENE	96	5.001	5.004	(1.000)	513854	50.0000		9794
	52 Methyl cyclohexane	83	5.114	5.116	(1.022)	107328	25.2861	25.5	8472
	50 Trichloroethene	130	5.127	5.130	(1.025)	70255	23.2712	23.5	8922
	58 Dibromomethane	93	5.432	5.434	(1.086)	61885	23.5614	23.8	8969
	54 1,2-Dichloropropane +	63	5.511	5.507	(1.102)	86572	23.9688	24.2	9735
	61 Bromodichloromethane	83	5.557	5.560	(1.111)	103867	25.4764	25.7	9470
	64 1-Bromo-2-chloroethane	63	5.889	5.891	(1.177)	143998	23.1469	23.3	9464
	62 2-Chloroethyl vinyl ether	63	5.961	5.964	(1.192)	76817	23.8287	24.0	9680
	65 cis-1,3-Dichloropropene	75	6.001	5.997	(1.200)	129575	23.0342	23.2	
$	67 Toluene-d8	98	6.127	6.123	(0.854)	469407	43.1982	43.5	9847
	68 Toluene +	91	6.160	6.163	(0.859)	283788	23.0173	23.2	9663
	66 4-methyl-2-pentanone	43	6.425	6.428	(1.285)	259201	23.9415	24.1	
	78 Tetrachloroethene	164	6.425	6.421	(0.896)	48893	23.6929	23.9	9186
	71 trans-1,3-Dichloropropene	75	6.445	6.448	(0.898)	124867	23.7600	24.0	
	76 1,1,2-Trichloroethane	97	6.551	6.554	(0.913)	75923	23.3348	23.5	9474
	81 Dibromochloromethane	129	6.677	6.673	(0.931)	80205	22.1978	22.4	9318
	79 1,3-Dichloropropane	76	6.736	6.739	(0.939)	132236	22.7663	22.9	9472
	83 1,2-Dibromoethane(EDB)	107	6.836	6.832	(0.953)	88923	22.6977	22.9	9780
	80 2-Hexanone	43	6.981	6.984	(0.973)	219080	21.9021	22.1	9617
	84 1-Chlorohexane	91	7.167	7.163	(1.433)	113968	25.3957	25.6	3819(M2)
*	85 Chlorobenzene-d5	82	7.173	7.176	(1.000)	229006	50.0000		6072
	86 Chlorobenzene ++	112	7.187	7.183	(1.002)	186397	23.4149	23.6	7998
	87 Ethylbenzene +	106	7.200	7.196	(1.004)	93522	23.8513	24.0	9269
	89 1,1,1,2-Tetrachloroethane	133	7.226	7.229	(1.007)	60184	23.2133	23.4	9162
M	75 Total 1,2-Dichloroethene	61				167229	53.4083	53.8	0
	90 p,m-Xylene	106	7.293	7.295	(1.017)	233200	48.6100	49.0	9607
M	77 1-3 Dichloropropene-Total	100				254442	46.7942	47.2	0

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppb)	CONCENTRATIONS FINAL (ug/Kg)	SIMILARITY
91	o-Xylene	106	7.584	7.587	(1.057)	116698	23.8612	24.1	
92	Styrene	104	7.624	7.620	(1.063)	198643	22.8492	23.0	9605
95	Bromoform ++	173	7.644	7.646	(1.066)	55274	22.4624	22.6	8477
96	Isopropylbenzene	105	7.796	7.792	(1.087)	275058	24.3949	24.6	9665
$ 98	Bromofluorobenzene	174	7.995	7.991	(1.114)	129036	43.3621	43.7	9254
102	Bromobenzene	77	8.068	8.064	(0.922)	156328	25.6567	25.9	9322
103	n-Propylbenzene	91	8.074	8.070	(0.923)	371887	26.1093	26.3	8912
101	1,1,2,2-Tetrachloroethane++	83	8.120	8.123	(0.928)	138351	24.7033	24.9	9444
105	2-Chlorotoluene	91	8.187	8.190	(0.936)	248900	25.9031	26.1	8822
107	1,3,5-Trimethylbenzene	105	8.200	8.203	(0.937)	246513	26.1132	26.3	
104	1,2,3-Trichloropropane	75	8.220	8.223	(0.939)	156915	23.6717	23.9	9367
106	trans-1,4-Dichloro-2-Butene	53	8.240	8.243	(0.942)	31145	20.2964	20.5	9090
108	4-Chlorotoluene	91	8.299	8.296	(0.949)	223415	25.2814	25.5	9512
109	tert-butylbenzene	91	8.419	8.421	(0.962)	167975	28.5196	28.7	9445
110	1,2,4-Trimethylbenzene	105	8.465	8.468	(0.967)	250282	25.6551	25.9	
112	sec-Butylbenzene	105	8.544	8.541	(0.977)	325893	26.2259	26.4	
113	p-Isopropyltoluene	119	8.637	8.633	(0.987)	256168	25.8045	26.0	9579
114	1,3-Dichlorobenzene	146	8.703	8.706	(0.995)	130811	24.7068	24.9	
* 115	1,4-DICHLOROBENZENE-D4	152	8.750	8.753	(1.000)	179414	50.0000		5224
117	1,4-Dichlorobenzene	146	8.763	8.766	(1.002)	135033	23.7222	23.9	
119	n-Butylbenzene	91	8.915	8.918	(1.019)	266687	26.5324	26.7	9567
120	1,2-Dichlorobenzene	146	9.041	9.044	(1.033)	125305	23.4889	23.7	
121	1,2-Dibromo-3-Chloropropane	157	9.551	9.554	(1.092)	30279	21.4210	21.6	8769
124	Hexachlorobutadiene	225	9.935	9.938	(1.135)	35566	23.5507	23.7	9318
123	1,2,4-Trichlorobenzene	180	9.962	9.965	(1.139)	77946	23.7848	24.0	
125	Napthalene	128	10.160	10.163	(1.161)	302499	22.7804	23.0	9388
126	1,2,3-Trichlorobenzene	180	10.273	10.276	(1.174)	76943	23.6470	23.8	
M 127	TOTAL XYLENE	106				349898	72.4711	73.1	0

QC Flag Legend

R - Spike/Surrogate failed recovery limits.
M2- Compound response manually integrated because
Target system integrated incorrectly.

Data File: /var/chem/msv0.i/2061210.b/v7094msd.d

Page 1

Date : 10-DEC-2006 16:17

Client ID: SWSED1-001 (0-0.5)

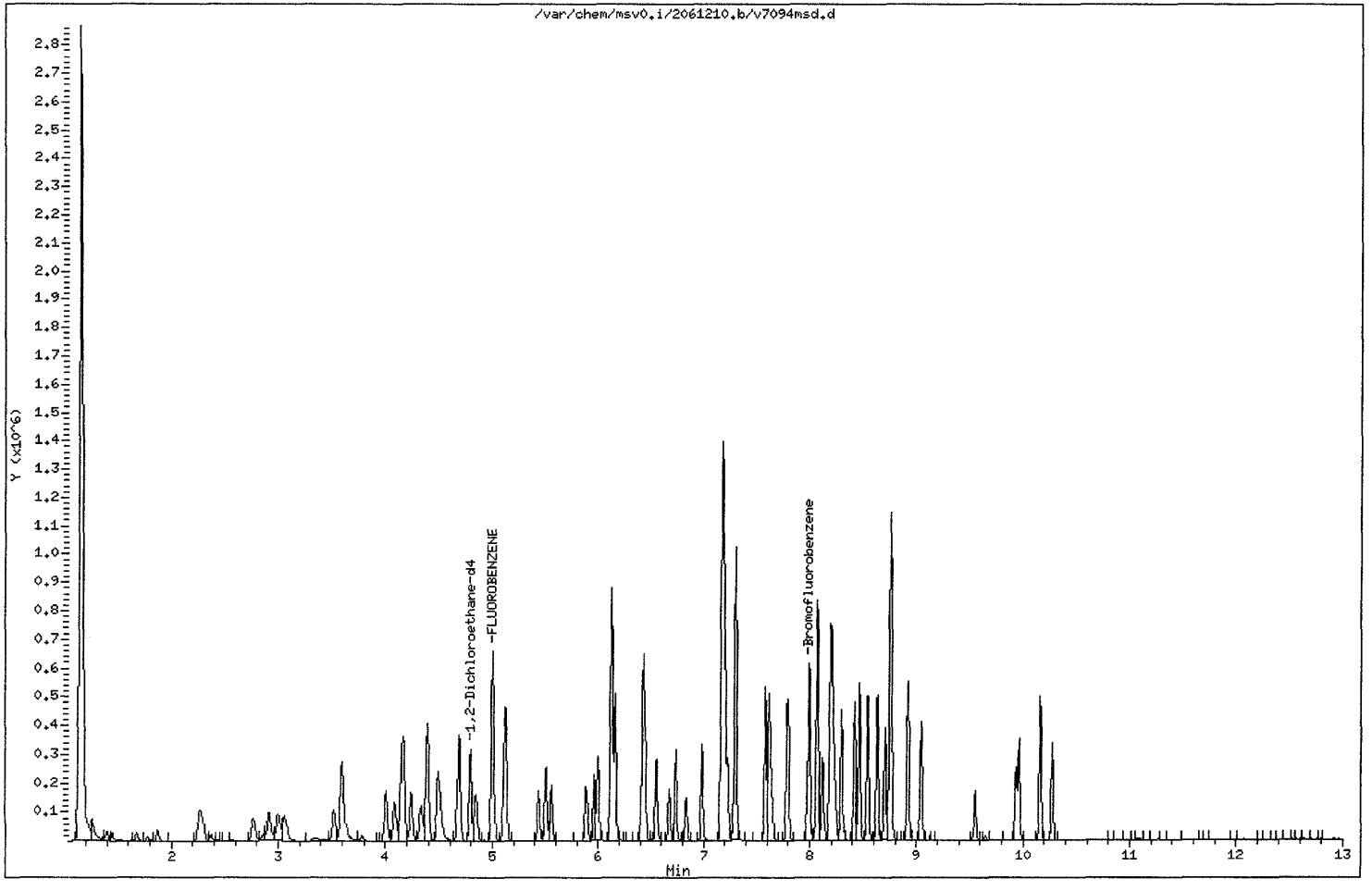
Instrument: msv0.i

Sample Info: 20612072805*SWSED1-001 (0-0.5) MSD

Operator: KCB

Column phase: DB-624-30M

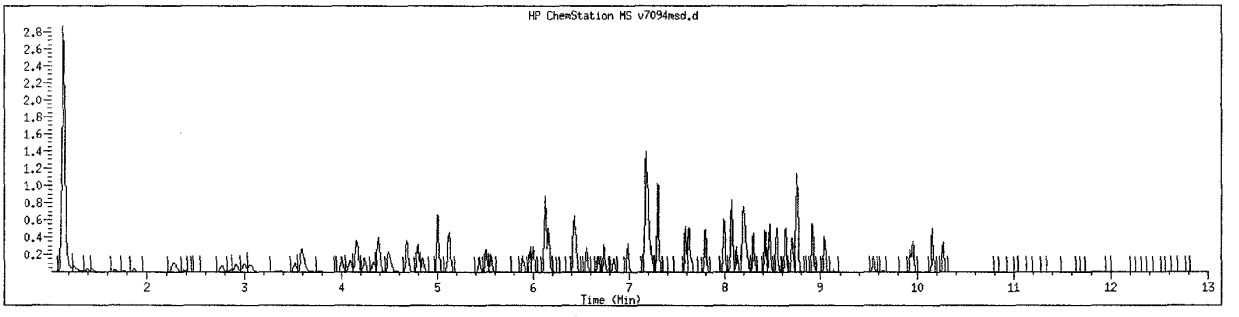
Column diameter: 0.53



Data file : /var/chem/msv0.i/2061210.b/v7094msd.d Page: 1
Report Date: 12/11/2006 06:19

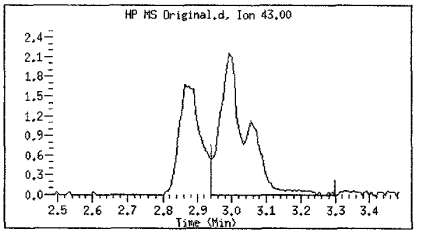
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072805 SampleType : MSD
Injection Date: 10-DEC-2006 16:17 Instrument : msv0.i
Operator : KCB
Sample Info : 20612072805*SWSED1-001 (0-0.5) MSD
Misc Info : MSV~9605~*1*KCB
Method : /var/chem/msv0.i/2061210.b/8260Bs0c.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8260b



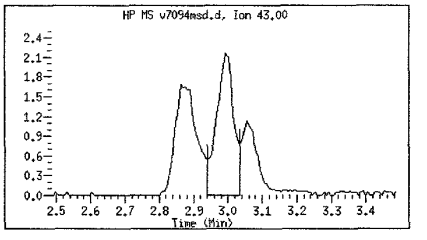
Original Final

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

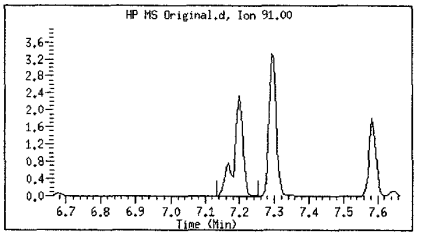


Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 06:16

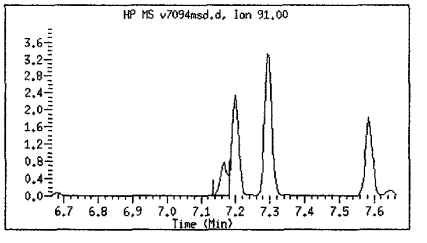


84 1-Chlorohexane CAS#: 544-10-5 Reason: M2



Electronic Signature Applied

User: kcb
Date: 11-Dec-2006 06:16



000355

034440

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

034441

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 01-DEC-2006
Instrument: msv0.i
Analyst(s): AJV

Standard	Conc ppm	
Int. Standard	50	5-55-12
Surrogate	50	5-55-1
8260	250	5-55-6
Ac/Ac/VA	250/50	5-56-2
CVE	250	5-55-10
8260 ICV	250	5-53-7
Ac/Ac/VA ICV	250/50	5-52-11
CVE ICV	250	5-54-2

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		v6799.d	0.00 ml	01-DEC-2006 05:50	1.000	RJO	2
1400		v6800.d	5.00 g	01-DEC-2006 06:25	1.000	JCK	2
1000		v6801.d	0.00 ml	01-DEC-2006 07:19	1.000	VWM	2
1206		v6802.d	5.00 g	01-DEC-2006 08:09	1.000	AJV	2
1201		v6803.d	5.00 g	01-DEC-2006 08:29	1.000	AJV	3
1207		v6804.d	5.00 g	01-DEC-2006 08:49	1.000	AJV	4
1202		v6805.d	5.00 g	01-DEC-2006 09:10	1.000	AJV	5
1203		v6806.d	5.00 g	01-DEC-2006 09:30	1.000	AJV	6
1204		v6807.d	5.00 g	01-DEC-2006 09:50	1.000	AJV	7
1205		v6808.d	5.00 g	01-DEC-2006 10:11	1.000	AJV	8
BLANK		v6809.d	5.00 g	01-DEC-2006 10:31	1.000	AJV	9
1600		v6810.d	5.00 g	01-DEC-2006 10:54	1.000	AJV	10
1600		v6811.d	5.00 g	01-DEC-2006 11:30	1.000	AJV	11
434602		v6812.d	5.00 g	01-DEC-2006 12:18	1.000	RJO	12
434603		v6813.d	5.00 g	01-DEC-2006 12:38	1.000	RJO	13
MB		v6814.d	5.00 g	01-DEC-2006 12:59	1.000	AJV	14
434601		v6815.d	5.00 g	01-DEC-2006 13:19	1.000	AJV	15
20611280501		v6816.d	7.58 g	01-DEC-2006 13:54	1.000	AJV	16
20611280502		v6817.d	7.48 g	01-DEC-2006 14:14	1.000	AJV	17
20611280503		v6818.d	7.15 g	01-DEC-2006 14:35	1.000	AJV	18
20611280504		v6819.d	6.48 g	01-DEC-2006 14:55	1.000	AJV	19
20611280505	RR as a medium	v6820.d	5.00 g	01-DEC-2006 15:16	1.000	AJV	20
BLANK		v6821.d	5.00 g	01-DEC-2006 15:42	1.000	AJV	21
BLANK		v6822.d	5.00 g	01-DEC-2006 16:11	1.000	AJV	22
20611280301		v6823.d	7.60 g	01-DEC-2006 16:32	1.000	AJV	21
20611280302		v6824.d	5.51 g	01-DEC-2006 16:52	1.000	AJV	22
20611280302		v6825.d	5.51 g	01-DEC-2006 17:13	1.000	AJV	23
20611280303		v6826.d	7.60 g	01-DEC-2006 17:33	1.000	AJV	24
20611281701		v6827.d	4.52 g	01-DEC-2006 17:54	1.000	AJV	25
20611291507		v6828.d	5.37 g	01-DEC-2006 18:15	1.000	AJV	26
20611291508		v6829.d	5.69 g	01-DEC-2006 18:35	1.000	AJV	27
20611291509		v6830.d	5.48 g	01-DEC-2006 18:56	1.000	AJV	28
20611291510	RR as a medium	v6831.d	5.96 g	01-DEC-2006 19:16	1.000	AJV	29

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 10-DEC-2006
Instrument: msv0.i
Analyst(s): JCK

Standard	Conc ppm	
Int. Standard	50	5-53-5
Surrogate	50	5-55-1
8260	250	5-55-6
Ac/Ac/VA	250/50	5-56-2
CVE	250	5-55-10
AP9 1	250	5-56-10
AP9 2	250	5-56-9

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		v7080.d	0.00 ml	10-DEC-2006 10:43	1.000	JCK	2
1000	baked out oven	v7081.d	0.00 ml	10-DEC-2006 11:04	1.000	KCB	2
1000		v7082.d	0.00 ml	10-DEC-2006 11:24	1.000	KCB	2
1400		v7083.d	5.00 g	10-DEC-2006 11:58	1.000	KCB	3
1400		v7084.d	5.00 g	10-DEC-2006 12:18	1.000	KCB	4
437304		v7085.d	5.00 g	10-DEC-2006 12:39	1.000	JCK	5
437305		v7086.d	5.00 g	10-DEC-2006 12:59	1.000	JCK	6
BLANK		v7087.d	5.00 g	10-DEC-2006 13:20	1.000	KCB	7
437303		v7088.d	5.00 g	10-DEC-2006 14:01	1.000	KCB	8
20612052502		v7089.d	6.13 g	10-DEC-2006 14:34	1.000	KCB	9
20612072801		v7090.d	4.90 g	10-DEC-2006 14:55	1.000	KCB	10
20612072802		v7091.d	5.00 g	10-DEC-2006 15:16	1.000	KCB	11
20612072803		v7092.d	5.01 g	10-DEC-2006 15:36	1.000	KCB	12
20612072804	RR IS2,3 LOW	v7093ms.d	4.98 g	10-DEC-2006 15:57	1.000	KCB	11
20612072805		v7094msd.d	4.96 g	10-DEC-2006 16:17	1.000	KCB	12
BLANK		v7095.d	5.00 g	10-DEC-2006 16:37	1.000	KCB	13
20612072804		v7096ms.d	5.01 g	10-DEC-2006 16:59	1.000	KCB	14
20612072806		v7097.d	4.90 g	10-DEC-2006 17:29	1.000	KCB	15
20612072807		v7098.d	4.91 g	10-DEC-2006 17:50	1.000	KCB	16
20612072808		v7099.d	4.98 g	10-DEC-2006 18:10	1.000	KCB	17
20612072809		v7100.d	5.06 g	10-DEC-2006 18:31	1.000	KCB	18
20612072810		v7101.d	5.04 g	10-DEC-2006 18:51	1.000	KCB	19
20612072811		v7102.d	4.92 g	10-DEC-2006 19:12	1.000	KCB	20
20612072812		v7103.d	4.90 g	10-DEC-2006 19:35	1.000	KCB	21
20612072813		v7104.d	4.91 g	10-DEC-2006 19:55	1.000	KCB	22
20612072814		v7105.d	4.90 g	10-DEC-2006 20:16	1.000	KCB	23
20612072815		v7106.d	4.91 g	10-DEC-2006 20:36	1.000	KCB	24
20612072816		v7107.d	4.99 g	10-DEC-2006 20:57	1.000	KCB	25
20612072817		v7108.d	5.01 g	10-DEC-2006 21:17	1.000	KCB	26
20612072818		v7109.d	4.92 g	10-DEC-2006 21:38	1.000	KCB	27
20612072819		v7110.d	4.93 g	10-DEC-2006 21:58	1.000	KCB	28
20612072820		v7111.d	5.08 g	10-DEC-2006 22:18	1.000	KCB	29
BLANK		v7112.d	5.00 g	10-DEC-2006 22:39	1.000	KCB	30
BLANK		v7113.d	5.00 g	10-DEC-2006 23:00	1.000	KCB	31
BLANK		v7114.d	5.00 g	10-DEC-2006 23:20	1.000	KCB	32
BLANK		v7115.d	5.00 g	10-DEC-2006 23:41	1.000	KCB	33

TUNE = 23:24

LABORATORY CHRONICLE: MSV DEPARTMENT

Date: 11-DEC-2006
Instrument: msv0.i
Analyst(s): AJV

Standard	Conc ppm	
Int. Standard	50	5-53-5
Surrogate	50	5-55-1
8260	250	5-55-6
Ac/Ac/VA	250/50	5-57-1
CVE	250	5-55-10

Sample ID	Comments	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS
1000		v7119.d	0.00 ml	11-DEC-2006 07:41	1.000	KCB	2
1400		v7120.d	5.00 g	11-DEC-2006 08:29	1.000	KCB	2
1400		v7121.d	5.00 g	11-DEC-2006 08:50	1.000	KCB	3
437444		v7122.d	5.00 g	11-DEC-2006 09:12	1.000	KCB	4
437445		v7123.d	5.00 g	11-DEC-2006 09:33	1.000	KCB	5
437443		v7124.d	5.00 g	11-DEC-2006 09:53	1.000	AJV	6
437443		v7125.d	5.00 g	11-DEC-2006 10:13	1.000	AJV	7
20612072820	IS FAILURE.RR AT 1X	v7126.d	5.23 g	11-DEC-2006 10:58	1.000	AJV	8
20612070122	IS FAILURE.RR B VIAL.	v7127.d	4.29 g	11-DEC-2006 11:19	1.000	AJV	9
20612070123		v7128.d	7.41 g	11-DEC-2006 11:39	1.000	AJV	10
20612090301	IS FAILURE.RR AT 1X	v7129.d	5.19 g	11-DEC-2006 12:00	1.000	AJV	11
20612090302		v7130.d	5.17 g	11-DEC-2006 12:20	1.000	AJV	12
20612090303		v7131.d	5.11 g	11-DEC-2006 12:41	1.000	AJV	13
20612090401		v7132.d	5.05 g	11-DEC-2006 13:01	1.000	AJV	14
20612090402		v7133.d	5.10 g	11-DEC-2006 13:22	1.000	AJV	15
20612090403		v7134.d	5.05 g	11-DEC-2006 13:43	1.000	AJV	16
20612081701		v7135.d	10.09 g	11-DEC-2006 14:17	1.000	AJV	17
20612092102		v7136.d	6.82 g	11-DEC-2006 14:38	1.000	AJV	18
20612092201		v7137.d	6.18 g	11-DEC-2006 14:59	1.000	AJV	19
20612092202		v7138.d	6.96 g	11-DEC-2006 15:19	1.000	AJV	20
20612092203		v7139.d	6.44 g	11-DEC-2006 15:39	1.000	AJV	21
20612092204		v7140.d	8.20 g	11-DEC-2006 16:00	1.000	AJV	22
20612072820		v7141.d	5.02 g	11-DEC-2006 16:49	1.000	AJV	23
20612070122	ACETONE HIGH.RR AS SOIL MED.	v7142.d	4.56 g	11-DEC-2006 17:09	1.000	AJV	24
20612090301	IS FAILURE-B VIAL. RR AS SOIL MED.	v7143.d	5.01 g	11-DEC-2006 17:30	1.000	AJV	25

2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Method: SW-846 8270 Level: (low/med) LOW

	EPA SAMPLE NO.	SMC1	#	SMC2	#	SMC3	#	SMC4	#	SMC5	#	SMC6	#	TOT OUT
1.	2WSED1-001 (0-0.5)	73		70		87		75		76		62		0
2.	2WSED8-008 (0-0.5)	81		77		99		78		78		72		0
3.	2WSED16-016 (0-0.5)	71		71		80		69		71		54		0
4.	2WSED1-001 (0-0.5) MS	83		86		86		77		84		79		0
5.	2WSED1-001 (0-0.5) MSD	87		92		96		77		84		72		0
6.	2WSED2-002 (0-0.5)	71		80		85		82		82		62		0
7.	2WSED5-005 (0-0.5)	97		109		88		94		98		82		0
8.	2WSED6-006 (0-0.5)	93		100		95		97		96		81		0
9.	2WSED9-009 (0-0.5)	83		87		74		74		75		72		0
10.	2WSED10-010 (0-0.5)	45		45		47		40		42		35		0
11.	2WSED11-011 (0-0.5)	81		81		92		73		77		54		0
12.	2WSED12-012 (0-0.5)	84		84		90		75		80		69		0
13.	2WSED3-003 (0-0.5)	95		100		91		97		96		84		0
14.	2WSED3-003 (0-0.5)D	98		108		99		101		98		90		0
15.	2WSED4-004 (0-0.5)	76		84		71		78		72		88		0
16.	2WSED15-015 (0-0.5)	72		76		87		83		71		59		0
17.	2WSED7-007 (0-0.5)	89		92		87		77		81		69		0
18.	2WSED13-013 (0-0.5)	82		82		75		70		73		65		0
19.	2WSED14-014 (0-0.5)	75		75		72		69		70		55		0
20.	2WSED17-017 (0-0.5)	81		83		76		68		74		58		0
21.	MB436893	82		80		92		83		83		76		0
22.	LCS436894	89		89		94		81		86		83		0
23.	LCSD436895	92		90		94		83		90		86		0

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2D
SOIL SEMIVOLATILE SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Method: SW-846 8270 Level: (low/med) LOW

EPA SAMPLE NO.	SMC1 #	SMC2 #	SMC3 #	SMC4 #	SMC5 #	SMC6 #	TOT OUT

		CONTROL LIMITS	
SMC 1	Nitrobenzene-d5	40	120
SMC 2	2-Fluorobiphenyl	37	124
SMC 3	Terphenyl-d14	28	151
SMC 4	Phenol-d5	40	114
SMC 5	2-Fluorophenol	38	119
SMC 6	2,4,6-Tribromophenol	25	115

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Analytical Method: SW-846 8270

Prep Batch: 338464 Analytical Batch.: 338577

Spike HSN : 436894

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/kg	3.33	0	2.99	90		60 - 120
2,4,5-Trichlorophenol	mg/kg	3.33	0	2.63	79		58 - 111
2,4,6-Trichlorophenol	mg/kg	3.33	0	2.71	81		60 - 110
2,4-Dichlorophenol	mg/kg	3.33	0	2.52	76		53 - 111
2,4-Dimethylphenol	mg/kg	3.33	0	2.52	76		51 - 108
2,4-Dinitrophenol	mg/kg	3.33	0	2.25	68		27 - 121
2,4-Dinitrotoluene	mg/kg	3.33	0	2.43	73		44 - 121
2,6-Dinitrotoluene	mg/kg	3.33	0	2.52	76		55 - 117
2-Chloronaphthalene	mg/kg	3.33	0	2.61	78		57 - 112
2-Chlorophenol	mg/kg	3.33	0	2.46	74		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	0	2.55	77		49 - 115
2-Methylnaphthalene	mg/kg	3.33	0	2.29	69		53 - 110
2-Nitroaniline	mg/kg	3.33	0	2.76	83		38 - 107
2-Nitrophenol	mg/kg	3.33	0	2.71	81		58 - 110
3,3'-Dichlorobenzidine	mg/kg	3.33	0	1.5	45		24 - 127
3-Nitroaniline	mg/kg	3.33	0	1.58	47		9 - 106
4-Bromophenyl-phenylether	mg/kg	3.33	0	2.76	83		59 - 118
4-Chloro-3-methylphenol	mg/kg	3.33	0	2.39	72		48 - 112
4-Chloroaniline	mg/kg	3.33	0	1.3	39		3 - 101
4-Chlorophenyl-phenylether	mg/kg	3.33	0	2.55	77		54 - 112
4-Nitroaniline	mg/kg	3.37	0	2.35	70		24 - 99
4-Nitrophenol	mg/kg	3.33	0	2.46	74		38 - 125
Acenaphthene	mg/kg	3.33	0	2.59	78		41 - 120
Acenaphthylene	mg/kg	3.33	0	3.33	100		57 - 105
Acetophenone	mg/kg	3.33	0	2.56	77		55 - 117
Aniline	mg/kg	3.33	0	3.3	99		4 - 126
Anthracene	mg/kg	3.33	0	2.57	77		60 - 108
Atrazine (Aatrex)	mg/kg	3.33	0	2.91	87		37 - 148
Benzaldehyde	mg/kg	3.33	0	2.34	70		25 - 127
Benzidine	mg/kg	3.33	0	2.57	77		8 - 78
Benzo(a)anthracene	mg/kg	3.33	0	2.72	82		60 - 107
Benzo(a)pyrene	mg/kg	3.33	0	2.57	77		62 - 110
Benzo(b)fluoranthene	mg/kg	3.33	0	2.98	89		56 - 110
Benzo(g,h,i)perylene	mg/kg	3.33	0	2.27	68		46 - 128
Benzo(k)fluoranthene	mg/kg	3.33	0	2.32	70		55 - 113
Benzoic acid	mg/kg	3.33	0	2.24	67		10 - 130

RPD : 0 out of 70 outside limits

Spike Recovery: 0 out of 140 outside limits

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3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Analytical Method: SW-846 8270

Prep Batch: 338464 Analytical Batch.: 338577

Benzyl alcohol	mg/kg	3.33	0	2.7	81		48 - 116
Biphenyl	mg/kg	3.33	0	2.68	80		43 - 118
Bis(2-Chloroethoxy)methane	mg/kg	3.33	0	2.5	75		53 - 109
Bis(2-Chloroethyl)ether	mg/kg	3.33	0	2.56	77		39 - 114
Butylbenzylphthalate	mg/kg	3.33	0	2.73	82		63 - 121
Caprolactam	mg/kg	3.33	0	2.48	74		42 - 130
Carbazole	mg/kg	3.33	0	2.63	79		50 - 96
Chrysene	mg/kg	3.27	0	2.6	80		61 - 111
Di-n-butylphthalate	mg/kg	3.33	0	2.47	74		60 - 115
Di-n-octylphthalate	mg/kg	3.33	0	2.74	82		55 - 121
Dibenz(a,h)anthracene	mg/kg	3.33	0	2.19	66		50 - 135
Dibenzofuran	mg/kg	3.33	0	2.52	76		55 - 110
Diethylphthalate	mg/kg	3.33	0	2.42	73		52 - 114
Dimethyl-phthalate	mg/kg	3.33	0	2.5	75		56 - 111
Fluoranthene	mg/kg	3.33	0	2.33	70		54 - 108
Fluorene	mg/kg	3.33	0	2.45	74		54 - 106
Hexachlorobenzene	mg/kg	3.33	0	2.79	84		50 - 121
Hexachlorocyclopentadiene	mg/kg	3.33	0	2.74	82		48 - 116
Hexachloroethane	mg/kg	3.33	0	2.25	68		43 - 111
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	0	2.13	64		43 - 132
Isophorone	mg/kg	3.33	0	2.5	75		55 - 112
N-Nitroso-di-n-propylamine	mg/kg	3.33	0	2.43	73		45 - 122
N-Nitrosodimethylamine	mg/kg	3.33	0	2.91	87		31 - 130
N-Nitrosodiphenylamine	mg/kg	3.27	0	2.75	84		58 - 123
Nitrobenzene	mg/kg	3.33	0	2.55	77		53 - 112
Pentachlorophenol	mg/kg	3.33	0	2.36	71		23 - 142
Phenanthrene	mg/kg	3.33	0	2.59	78		59 - 107
Phenol	mg/kg	3.33	0	2.48	74		34 - 116
Pyrene	mg/kg	3.33	0	2.76	83		39 - 135
Pyridine	mg/kg	3.33	0	2.43	73		11 - 92
bis(2-Chloroisopropyl)ether	mg/kg	3.33	0	2.49	75		45 - 113
bis(2-ethylhexyl)phthalate	mg/kg	3.33	0	2.82	85		56 - 127
m,p-Cresol	mg/kg	3.33	0	2.42	73		50 - 110
o-Cresol	mg/kg	3.33	0	2.44	73		50 - 108

RPD : 0 out of 70 outside limits

Spike Recovery: 0 out of 140 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Analytical Method: SW-846 8270

Prep Batch: 338464 Analytical Batch.: 338577

Spike Dupe HSN : 436895

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
1,2 Diphenylhydrazine	mg/kg	3.33	3.09	93		3		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	3.33	2.68	80		2		58 - 111	0 - 19
2,4,6-Trichlorophenol	mg/kg	3.33	2.77	83		2		60 - 110	0 - 21
2,4-Dichlorophenol	mg/kg	3.33	2.59	78		3		53 - 111	0 - 21
2,4-Dimethylphenol	mg/kg	3.33	2.61	78		4		51 - 108	0 - 22
2,4-Dinitrophenol	mg/kg	3.33	2.29	69		2		27 - 121	0 - 49
2,4-Dinitrotoluene	mg/kg	3.33	2.45	74		.8		44 - 121	0 - 23
2,6-Dinitrotoluene	mg/kg	3.33	2.55	77		1		55 - 117	0 - 19
2-Chloronaphthalene	mg/kg	3.33	2.69	81		3		57 - 112	0 - 19
2-Chlorophenol	mg/kg	3.33	2.55	77		4		44 - 113	0 - 26
2-Methyl-4,6-dinitrophenol	mg/kg	3.33	2.74	82		7		49 - 115	0 - 31
2-Methylnaphthalene	mg/kg	3.33	2.43	73		6		53 - 110	0 - 18
2-Nitroaniline	mg/kg	3.33	2.83	85		3		38 - 107	0 - 19
2-Nitrophenol	mg/kg	3.33	2.75	83		1		58 - 110	0 - 20
3,3'-Dichlorobenzidine	mg/kg	3.33	1.28	38		16		24 - 127	0 - 35
3-Nitroaniline	mg/kg	3.33	1.4	42		12		9 - 106	0 - 46
4-Bromophenyl-phenylether	mg/kg	3.33	2.87	86		4		59 - 118	0 - 22
4-Chloro-3-methylphenol	mg/kg	3.33	2.41	72		.8		48 - 112	0 - 24
4-Chloroaniline	mg/kg	3.33	.972	29		29		3 - 101	0 - 51
4-Chlorophenyl-phenylether	mg/kg	3.33	2.57	77		.8		54 - 112	0 - 19
4-Nitroaniline	mg/kg	3.37	2.33	69		.9		24 - 99	0 - 25
4-Nitrophenol	mg/kg	3.33	2.41	72		2		38 - 125	0 - 29
Acenaphthene	mg/kg	3.33	2.61	78		.8		41 - 120	0 - 19
Acenaphthylene	mg/kg	3.33	3.42	103		3		57 - 105	0 - 18
Acetophenone	mg/kg	3.33	2.63	79		3		55 - 117	0 - 50
Aniline	mg/kg	3.33	2.57	77		25		4 - 126	0 - 29
Anthracene	mg/kg	3.33	2.65	80		3		60 - 108	0 - 19
Atrazine (Aatrex)	mg/kg	3.33	3.02	91		4		37 - 148	0 - 50
Benzaldehyde	mg/kg	3.33	2.43	73		4		25 - 127	0 - 50
Benzidine	mg/kg	3.33	2.39	72		7		8 - 78	0 - 50
Benzo(a)anthracene	mg/kg	3.33	2.75	83		1		60 - 107	0 - 19
Benzo(a)pyrene	mg/kg	3.33	2.67	80		4		62 - 110	0 - 16
Benzo(b)fluoranthene	mg/kg	3.33	2.86	86		4		56 - 110	0 - 24
Benzo(g,h,i)perylene	mg/kg	3.33	2.48	74		9		46 - 128	0 - 19
Benzo(k)fluoranthene	mg/kg	3.33	2.61	78		12		55 - 113	0 - 31
Benzoic acid	mg/kg	3.33	2.42	73		8		10 - 130	0 - 40

RPD : 0 out of 70 outside limits

Spike Recovery: 0 out of 140 outside limits

3D
SOIL SEMIVOLATILE LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Analytical Method: SW-846 8270

Prep Batch: 338464 Analytical Batch.: 338577

Benzyl alcohol	mg/kg	3.33	2.78	83		3		48 - 116	0 - 37
Biphenyl	mg/kg	3.33	2.73	82		2		43 - 118	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	3.33	2.61	78		4		53 - 109	0 - 20
Bis(2-Chloroethyl)ether	mg/kg	3.33	2.64	79		3		39 - 114	0 - 24
Butylbenzylphthalate	mg/kg	3.33	2.8	84		3		63 - 121	0 - 21
Caprolactam	mg/kg	3.33	2.54	76		2		42 - 130	0 - 50
Carbazole	mg/kg	3.33	2.76	83		5		50 - 96	0 - 17
Chrysene	mg/kg	3.27	2.81	86		8		61 - 111	0 - 19
Di-n-butylphthalate	mg/kg	3.33	2.57	77		4		60 - 115	0 - 19
Di-n-octylphthalate	mg/kg	3.33	2.79	84		2		55 - 121	0 - 18
Dibenz(a,h)anthracene	mg/kg	3.33	2.38	71		8		50 - 135	0 - 23
Dibenzofuran	mg/kg	3.33	2.53	76		.4		55 - 110	0 - 17
Diethylphthalate	mg/kg	3.33	2.47	74		2		52 - 114	0 - 20
Dimethyl-phthalate	mg/kg	3.33	2.54	76		2		56 - 111	0 - 17
Fluoranthene	mg/kg	3.33	2.46	74		5		54 - 108	0 - 20
Fluorene	mg/kg	3.33	2.48	74		1		54 - 106	0 - 16
Hexachlorobenzene	mg/kg	3.33	2.89	87		4		50 - 121	0 - 19
Hexachlorocyclopentadiene	mg/kg	3.33	2.83	85		3		48 - 116	0 - 27
Hexachloroethane	mg/kg	3.33	2.41	72		7		43 - 111	0 - 21
Indeno(1,2,3-cd)pyrene	mg/kg	3.33	2.23	67		5		43 - 132	0 - 33
Isophorone	mg/kg	3.33	2.6	78		4		55 - 112	0 - 26
N-Nitroso-di-n-propylamine	mg/kg	3.33	2.56	77		5		45 - 122	0 - 38
N-Nitrosodimethylamine	mg/kg	3.33	2.59	78		12		31 - 130	0 - 20
N-Nitrosodiphenylamine	mg/kg	3.27	2.85	87		4		58 - 123	0 - 19
Nitrobenzene	mg/kg	3.33	2.62	79		3		53 - 112	0 - 23
Pentachlorophenol	mg/kg	3.33	2.54	76		7		23 - 142	0 - 26
Phenanthrene	mg/kg	3.33	2.64	79		2		59 - 107	0 - 18
Phenol	mg/kg	3.33	2.53	76		2		34 - 116	0 - 25
Pyrene	mg/kg	3.33	2.79	84		1		39 - 135	0 - 26
Pyridine	mg/kg	3.33	3.03	91		22		11 - 92	0 - 29
bis(2-Chloroisopropyl)ether	mg/kg	3.33	2.58	77		4		45 - 113	0 - 26
bis(2-ethylhexyl)phthalate	mg/kg	3.33	2.89	87		2		56 - 127	0 - 21
m,p-Cresol	mg/kg	3.33	2.48	74		2		50 - 110	0 - 23
o-Cresol	mg/kg	3.33	2.53	76		4		50 - 108	0 - 25

RPD : 0 out of 70 outside limits

Spike Recovery: 0 out of 140 outside limits

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Analytical Method: SW-846 8270

Prep Batch: 338464 Analytical Batch.: 338577

Spike HSN : 20612072804

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
1,2 Diphenylhydrazine	mg/kg	6.11	0	5.12	84		60 - 120
2,4,5-Trichlorophenol	mg/kg	6.11	0	4.44	73		58 - 111
2,4,6-Trichlorophenol	mg/kg	6.11	0	4.53	74		60 - 110
2,4-Dichlorophenol	mg/kg	6.11	0	4.26	70		53 - 111
2,4-Dimethylphenol	mg/kg	6.11	0	4.24	69		51 - 108
2,4-Dinitrophenol	mg/kg	6.11	0	3.05	50		27 - 121
2,4-Dinitrotoluene	mg/kg	6.11	0	4.26	70		44 - 121
2,6-Dinitrotoluene	mg/kg	6.11	0	4.31	71		55 - 117
2-Chloronaphthalene	mg/kg	6.11	0	4.53	74		57 - 112
2-Chlorophenol	mg/kg	6.11	0	4.19	68		44 - 113
2-Methyl-4,6-dinitrophenol	mg/kg	6.11	0	3.84	63		49 - 115
2-Methylnaphthalene	mg/kg	6.11	0	3.91	64		53 - 110
2-Nitroaniline	mg/kg	6.11	0	4.72	77		38 - 107
2-Nitrophenol	mg/kg	6.11	0	4.57	75		58 - 110
3,3'-Dichlorobenzidine	mg/kg	6.11	0	3.51	57		24 - 127
3-Nitroaniline	mg/kg	6.11	0	3.49	57		9 - 106
4-Bromophenyl-phenylether	mg/kg	6.11	0	4.74	77		59 - 118
4-Chloro-3-methylphenol	mg/kg	6.11	0	3.97	65		48 - 112
4-Chloroaniline	mg/kg	6.11	0	3.27	53		3 - 101
4-Chlorophenyl-phenylether	mg/kg	6.11	0	4.33	71		54 - 112
4-Nitroaniline	mg/kg	6.19	0	4.17	67		24 - 99
4-Nitrophenol	mg/kg	6.11	0	3.87	63		38 - 125
Acenaphthene	mg/kg	6.11	0	4.31	71		41 - 120
Acenaphthylene	mg/kg	6.11	0	5.86	96		57 - 105
Acetophenone	mg/kg	6.11	0	4.39	72		55 - 117
Aniline	mg/kg	6.11	0	6.79	111		4 - 126
Anthracene	mg/kg	6.11	0	4.37	71		60 - 108
Atrazine (Aatrex)	mg/kg	6.11	0	4.87	80		37 - 148
Benzaldehyde	mg/kg	6.11	0	7.82	128	*	25 - 127
Benzidine	mg/kg	6.11	0	28.8	471	*	8 - 78
Benzo(a)anthracene	mg/kg	6.11	0	4.52	74		60 - 107
Benzo(a)pyrene	mg/kg	6.11	0	4.26	70		62 - 110
Benzo(b)fluoranthene	mg/kg	6.11	0	4.99	82		56 - 110
Benzo(g,h,i)perylene	mg/kg	6.11	0	4.35	71		46 - 128
Benzo(k)fluoranthene	mg/kg	6.11	0	3.95	65		55 - 113
Benzoic acid	mg/kg	6.11	0	2.04	33		10 - 130

RPD : 1 out of 70 outside limits

Spike Recovery: 3 out of 140 outside limits

000366

034451

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Analytical Method: SW-846 8270

Prep Batch: 338464 Analytical Batch.: 338577

Benzyl alcohol	mg/kg	6.11	0	4.55	74		48	-	116
Biphenyl	mg/kg	6.11	0	4.52	74		43	-	118
Bis(2-Chloroethoxy)methane	mg/kg	6.11	0	4.3	70		53	-	109
Bis(2-Chloroethyl)ether	mg/kg	6.11	0	4.5	74		39	-	114
Butylbenzylphthalate	mg/kg	6.11	0	4.63	76		63	-	121
Caprolactam	mg/kg	6.11	0	3.43	56		42	-	130
Carbazole	mg/kg	6.11	0	4.61	75		50	-	96
Chrysene	mg/kg	6	0	4.53	76		61	-	111
Di-n-butylphthalate	mg/kg	6.11	0	4.33	71		60	-	115
Di-n-octylphthalate	mg/kg	6.11	0	4.52	74		55	-	121
Dibenz(a,h)anthracene	mg/kg	6.11	0	4	65		50	-	135
Dibenzofuran	mg/kg	6.11	0	4.28	70		55	-	110
Diethylphthalate	mg/kg	6.11	0	4.17	68		52	-	114
Dimethyl-phthalate	mg/kg	6.11	0	4.28	70		56	-	111
Fluoranthene	mg/kg	6.11	0	4.13	68		54	-	108
Fluorene	mg/kg	6.11	0	4.19	68		54	-	106
Hexachlorobenzene	mg/kg	6.11	0	4.72	77		50	-	121
Hexachlorocyclopentadiene	mg/kg	6.11	0	4.13	68		48	-	116
Hexachloroethane	mg/kg	6.11	0	3.6	59		43	-	111
Indeno(1,2,3-cd)pyrene	mg/kg	6.11	0	3.73	61		43	-	132
Isophorone	mg/kg	6.11	0	4.22	69		55	-	112
N-Nitroso-di-n-propylamine	mg/kg	6.11	0	4.02	66		45	-	122
N-Nitrosodimethylamine	mg/kg	6.11	0	3.73	61		31	-	130
N-Nitrosodiphenylamine	mg/kg	6	0	4.68	78		58	-	123
Nitrobenzene	mg/kg	6.11	0	4.35	71		53	-	112
Pentachlorophenol	mg/kg	6.11	0	3.69	60		23	-	142
Phenanthrene	mg/kg	6.11	0	4.39	72		59	-	107
Phenol	mg/kg	6.11	0	4.26	70		34	-	116
Pyrene	mg/kg	6.11	0	4.59	75		39	-	135
Pyridine	mg/kg	6.11	0	3.49	57		11	-	92
bis(2-Chloroisopropyl)ether	mg/kg	6.11	0	4.26	70		45	-	113
bis(2-ethylhexyl)phthalate	mg/kg	6.11	.024	4.75	77		56	-	127
m,p-Cresol	mg/kg	6.11	0	4.02	66		50	-	110
o-Cresol	mg/kg	6.11	0	4.15	68		50	-	108

RPD : 1 out of 70 outside limits

Spike Recovery: 3 out of 140 outside limits

FORM III SV-2

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Analytical Method: SW-846 8270

Prep Batch: 338464 Analytical Batch.: 338577

Spike Dupe HSN : 20612072805

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
1,2 Diphenylhydrazine	mg/kg	6.02	5.4	90		5		60 - 120	0 - 50
2,4,5-Trichlorophenol	mg/kg	6.02	4.24	70		5		58 - 111	0 - 19
2,4,6-Trichlorophenol	mg/kg	6.02	4.48	74		1		60 - 110	0 - 21
2,4-Dichlorophenol	mg/kg	6.02	4.08	68		4		53 - 111	0 - 21
2,4-Dimethylphenol	mg/kg	6.02	4.11	68		3		51 - 108	0 - 22
2,4-Dinitrophenol	mg/kg	6.02	2.7	45		12		27 - 121	0 - 49
2,4-Dinitrotoluene	mg/kg	6.02	3.82	63		11		44 - 121	0 - 23
2,6-Dinitrotoluene	mg/kg	6.02	4.13	69		4		55 - 117	0 - 19
2-Chloronaphthalene	mg/kg	6.02	4.59	76		1		57 - 112	0 - 19
2-Chlorophenol	mg/kg	6.02	4.09	68		2		44 - 113	0 - 26
2-Methyl-4,6-dinitrophenol	mg/kg	6.02	3.58	59		7		49 - 115	0 - 31
2-Methylnaphthalene	mg/kg	6.02	3.75	62		4		53 - 110	0 - 18
2-Nitroaniline	mg/kg	6.02	4.46	74		6		38 - 107	0 - 19
2-Nitrophenol	mg/kg	6.02	4.46	74		2		58 - 110	0 - 20
3,3'-Dichlorobenzidine	mg/kg	6.02	3.47	58		1		24 - 127	0 - 35
3-Nitroaniline	mg/kg	6.02	3.49	58		0		9 - 106	0 - 46
4-Bromophenyl-phenylether	mg/kg	6.02	4.81	80		2		59 - 118	0 - 22
4-Chloro-3-methylphenol	mg/kg	6.02	3.62	60		9		48 - 112	0 - 24
4-Chloroaniline	mg/kg	6.02	2.75	46		17		3 - 101	0 - 51
4-Chlorophenyl-phenylether	mg/kg	6.02	4.17	69		4		54 - 112	0 - 19
4-Nitroaniline	mg/kg	6.08	3.76	62		10		24 - 99	0 - 25
4-Nitrophenol	mg/kg	6.02	3.3	55		16		38 - 125	0 - 29
Acenaphthene	mg/kg	6.02	4.3	71		.4		41 - 120	0 - 19
Acenaphthylene	mg/kg	6.02	5.73	95		2		57 - 105	0 - 18
Acetophenone	mg/kg	6.02	4.26	71		3		55 - 117	0 - 50
Aniline	mg/kg	6.02	5.56	92		20		4 - 126	0 - 29
Anthracene	mg/kg	6.02	4.39	73		.4		60 - 108	0 - 19
Atrazine (Aatrex)	mg/kg	6.02	4.83	80		.8		37 - 148	0 - 50
Benzaldehyde	mg/kg	6.02	7.14	119		9		25 - 127	0 - 50
Benzidine	mg/kg	6.02	23.3	387	*	21		8 - 78	0 - 50
Benzo(a)anthracene	mg/kg	6.02	4.55	76		.8		60 - 107	0 - 19
Benzo(a)pyrene	mg/kg	6.02	4.3	71		.9		62 - 110	0 - 16
Benzo(b)fluoranthene	mg/kg	6.02	4.22	70		17		56 - 110	0 - 24
Benzo(g,h,i)perylene	mg/kg	6.02	5.1	85		16		46 - 128	0 - 19
Benzo(k)fluoranthene	mg/kg	6.02	4.3	71		8		55 - 113	0 - 31
Benzoic acid	mg/kg	6.02	1.22	20		50	*	10 - 130	0 - 40

RPD : 1 out of 70 outside limits

Spike Recovery: 3 out of 140 outside limits

FORM III SV-2

034453

3D
SOIL SEMIVOLATILE MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Analytical Method: SW-846 8270

Prep Batch: 338464 Analytical Batch.: 338577

Benzyl alcohol	mg/kg	6.02	4.35	72		5		48 - 116	0 - 37
Biphenyl	mg/kg	6.02	4.28	71		5		43 - 118	0 - 50
Bis(2-Chloroethoxy)methane	mg/kg	6.02	4.22	70		2		53 - 109	0 - 20
Bis(2-Chloroethyl)ether	mg/kg	6.02	4.41	73		2		39 - 114	0 - 24
Butylbenzylphthalate	mg/kg	6.02	4.7	78		2		63 - 121	0 - 21
Caprolactam	mg/kg	6.02	2.9	48		17		42 - 130	0 - 50
Carbazole	mg/kg	6.02	4.48	74		3		50 - 96	0 - 17
Chrysene	mg/kg	5.89	4.37	74		4		61 - 111	0 - 19
Di-n-butylphthalate	mg/kg	6.02	4.24	70		2		60 - 115	0 - 19
Di-n-octylphthalate	mg/kg	6.02	4.52	75		0		55 - 121	0 - 18
Dibenz(a,h)anthracene	mg/kg	6.02	4.61	77		14		50 - 135	0 - 23
Dibenzofuran	mg/kg	6.02	4.17	69		3		55 - 110	0 - 17
Diethylphthalate	mg/kg	6.02	3.86	64		8		52 - 114	0 - 20
Dimethyl-phthalate	mg/kg	6.02	4.11	68		4		56 - 111	0 - 17
Fluoranthene	mg/kg	6.02	3.89	65		6		54 - 108	0 - 20
Fluorene	mg/kg	6.02	4	66		4		54 - 106	0 - 16
Hexachlorobenzene	mg/kg	6.02	4.9	81		4		50 - 121	0 - 19
Hexachlorocyclopentadiene	mg/kg	6.02	4.17	69		.9		48 - 116	0 - 27
Hexachloroethane	mg/kg	6.02	3.51	58		3		43 - 111	0 - 21
Indeno(1,2,3-cd)pyrene	mg/kg	6.02	4.81	80		25		43 - 132	0 - 33
Isophorone	mg/kg	6.02	4.15	69		2		55 - 112	0 - 26
N-Nitroso-di-n-propylamine	mg/kg	6.02	3.91	65		3		45 - 122	0 - 38
N-Nitrosodimethylamine	mg/kg	6.02	3.12	52		18		31 - 130	0 - 20
N-Nitrosodiphenylamine	mg/kg	5.89	4.79	81		2		58 - 123	0 - 19
Nitrobenzene	mg/kg	6.02	4.31	72		.8		53 - 112	0 - 23
Pentachlorophenol	mg/kg	6.02	3.36	56		9		23 - 142	0 - 26
Phenanthrene	mg/kg	6.02	4.5	75		2		59 - 107	0 - 18
Phenol	mg/kg	6.02	4.09	68		4		34 - 116	0 - 25
Pyrene	mg/kg	6.02	4.98	83		8		39 - 135	0 - 26
Pyridine	mg/kg	6.02	2.86	48		20		11 - 92	0 - 29
bis(2-Chloroisopropyl)ether	mg/kg	6.02	4.17	69		2		45 - 113	0 - 26
bis(2-ethylhexyl)phthalate	mg/kg	6.02	4.75	79		0		56 - 127	0 - 21
m,p-Cresol	mg/kg	6.02	3.84	64		5		50 - 110	0 - 23
o-Cresol	mg/kg	6.02	3.91	65		6		50 - 108	0 - 25

RPD : 1 out of 70 outside limits

Spike Recovery: 3 out of 140 outside limits

FORM III SV-2

034454

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB436893

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

Lab File ID: 2061211/d4458 | SAS No.: | SDG No.: 206120728

GC Column: RTX-5MS-30 | ID: .25 (mm) | Lab Sample ID: 436893 | Date Extracted: 12/08/06

Instrument ID: MSSV5 | Matrix: Soil | Date Analyzed: 12/11/06 | Time: 0745

Level: LOW | Method: SW-846 8270

Prep Batch: 338464 | Analytical Batch: 338577

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
1.	LCS436894	436894	2061211/d4459	12/11/06	0800
2.	LCSD436895	436895	2061211/d4460	12/11/06	0814
3.	2WSED1-001 (0-0.5)	20612072801	2061211/d4461	12/11/06	0830
4.	2WSED8-008 (0-0.5)	20612072802	2061211/d4462	12/11/06	0844
5.	2WSED16-016 (0-0.5)	20612072803	2061211/d4463	12/11/06	0859
6.	2WSED1-001 (0-0.5) MS	20612072804	2061211/d4464	12/11/06	0914
7.	2WSED1-001 (0-0.5) MSD	20612072805	2061211/d4465	12/11/06	0928
8.	2WSED2-002 (0-0.5)	20612072806	2061211/d4466	12/11/06	0943
9.	2WSED5-005 (0-0.5)	20612072807	2061211/d4467	12/11/06	0958
10.	2WSED6-006 (0-0.5)	20612072808	2061211/d4468	12/11/06	1013
11.	2WSED9-009 (0-0.5)	20612072809	2061211/d4469	12/11/06	1028
12.	2WSED10-010 (0-0.5)	20612072810	2061211/d4470	12/11/06	1042
13.	2WSED11-011 (0-0.5)	20612072811	2061211/d4471	12/11/06	1057
14.	2WSED12-012 (0-0.5)	20612072812	2061211/d4472	12/11/06	1111
15.	2WSED3-003 (0-0.5)	20612072813	2061211/d4473	12/11/06	1126
16.	2WSED3-003 (0-0.5)D	20612072814	2061211/d4474	12/11/06	1141
17.	2WSED4-004 (0-0.5)	20612072815	2061211/d4475	12/11/06	1155
18.	2WSED7-007 (0-0.5)	20612072817	2061211/d4477	12/11/06	1225
19.	2WSED13-013 (0-0.5)	20612072818	2061211/d4478	12/11/06	1240
20.	2WSED14-014 (0-0.5)	20612072819	2061211/d4479	12/11/06	1254
21.	2WSED17-017 (0-0.5)	20612072820	2061211/d4480	12/11/06	1309
22.	2WSED15-015 (0-0.5)	20612072816	2061213/d4532	12/13/06	1042

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061211/d4446 DFTPP Injection Date: 12/11/06 Time: 0441

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 338577

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	39.22 ( ) ( )
68	Less thab 2% of mass 69	.6 (1.53) (1)
69	Mass 69 relative abundance	39.33 ( ) ( )
70	Less than 2.0% of mass 69	.3 (.77) (1)
127	40.0-60.0% of mass 198	46.32 ( ) ( )
197	Less than 1.0% of mass 198	.29 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	7.56 ( ) ( )
275	10.0-30.0% of mass 198	24.07 ( ) ( )
365	Greater than 1.0% of mass 198	2.71 ( ) ( )
441	Present, but less than mass 443	12.95 ( ) ( )
442	40.0-100.0% of mass 198	95.72 ( ) ( )
443	17.0-23.0% of mass 442	17.4 (18.18) (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	2061211/d4447	12/11/06	0456
2.	STD010	1204	2061211/d4448	12/11/06	0516
3.	STD080	1206	2061211/d4449	12/11/06	0531
4.	STD120	1207	2061211/d4450	12/11/06	0545
5.	STD160	1208	2061211/d4451	12/11/06	0600
6.	STD200	1209	2061211/d4452	12/11/06	0616
7.	STD002	1203	2061211/d4453	12/11/06	0630
8.	STD001	1202	2061211/d4454	12/11/06	0645
9.	STD0.2	1201	2061211/d4455	12/11/06	0700
10.	MB436893	436893	2061211/d4458	12/11/06	0745
11.	LCS436894	436894	2061211/d4459	12/11/06	0800

FORM V SV

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061211/d4446 DFTPP Injection Date: 12/11/06 Time: 0441

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 338577

Instrument ID: MSSV5

12.	LCSD436895	436895	2061211/d4460	12/11/06	0814
13.	2WSED1-001 (0-0.5)	20612072801	2061211/d4461	12/11/06	0830
14.	2WSED8-008 (0-0.5)	20612072802	2061211/d4462	12/11/06	0844
15.	2WSED16-016 (0-0.5)	20612072803	2061211/d4463	12/11/06	0859
16.	2WSED1-001 (0-0.5) MS	20612072804	2061211/d4464	12/11/06	0914
17.	2WSED1-001 (0-0.5) MSD	20612072805	2061211/d4465	12/11/06	0928
18.	2WSED2-002 (0-0.5)	20612072806	2061211/d4466	12/11/06	0943
19.	2WSED5-005 (0-0.5)	20612072807	2061211/d4467	12/11/06	0958
20.	2WSED6-006 (0-0.5)	20612072808	2061211/d4468	12/11/06	1013
21.	2WSED9-009 (0-0.5)	20612072809	2061211/d4469	12/11/06	1028
22.	2WSED10-010 (0-0.5)	20612072810	2061211/d4470	12/11/06	1042
23.	2WSED11-011 (0-0.5)	20612072811	2061211/d4471	12/11/06	1057
24.	2WSED12-012 (0-0.5)	20612072812	2061211/d4472	12/11/06	1111
25.	2WSED3-003 (0-0.5)	20612072813	2061211/d4473	12/11/06	1126
26.	2WSED3-003 (0-0.5)D	20612072814	2061211/d4474	12/11/06	1141
27.	2WSED4-004 (0-0.5)	20612072815	2061211/d4475	12/11/06	1155
28.	2WSED7-007 (0-0.5)	20612072817	2061211/d4477	12/11/06	1225
29.	2WSED13-013 (0-0.5)	20612072818	2061211/d4478	12/11/06	1240
30.	2WSED14-014 (0-0.5)	20612072819	2061211/d4479	12/11/06	1254
31.	2WSED17-017 (0-0.5)	20612072820	2061211/d4480	12/11/06	1309

5B

SEMIVOLATILE ORGANICS INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID: 2061213/d4528 DFTPP Injection Date: 12/13/06 Time: 0939

GC Column: RTX-5MS-30 ID: .25 (mm) Analytical Batch: 338715

Instrument ID: MSSV5

m / e	*ION ABUNDANCE CRITERIA*	*% Relative Abundance*
51	30.0-60.0% of mass 198	43.76 ( ) ( )
68	Less thab 2% of mass 69	.7 (1.62) (1)
69	Mass 69 relative abundance	43.31 ( ) ( )
70	Less than 2.0% of mass 69	.22 (.52) (1)
127	40.0-60.0% of mass 198	48.17 ( ) ( )
197	Less than 1.0% of mass 198	.43 ( ) ( )
198	Base Peak, 100% relative abundance	100 ( ) ( )
199	5.0-9.0% of mass 198	6.59 ( ) ( )
275	10.0-30.0% of mass 198	23.13 ( ) ( )
365	Greater than 1.0% of mass 198	2.95 ( ) ( )
441	Present, but less than mass 443	14.35 ( ) ( )
442	40.0-100.0% of mass 198	98.03 ( ) ( )
443	17.0-23.0% of mass 442	18.49 (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.	STD050	1400	2061213/d4530	12/13/06	1009
2.	2WSED15-015 (0-0.5)	20612072816	2061213/d4532	12/13/06	1042

FORM V SV

034458

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Lab File ID (Standard): 2061211/d4447 Date Analyzed: 12/11/06 Time: 0456

Instrument ID: MSSV5 GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 338577 Method: SW-846 8270

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	930671	2.28	478710	3.35	733662	4.24

	EPA Sample No.	IS 1 Area	#	IS 1 RT	#	IS 2 Area	#	IS 2 RT	#	IS 3 Area	#	IS 3 RT	#
1.	MB436893	1326828		2.27		716946		3.34		1026155		4.24	
2.	2WSED5-005 (0-0.5)	809588		2.27		394007		3.34		537048		4.24	
3.	2WSED6-006 (0-0.5)	846747		2.27		415433		3.34		580336		4.24	
4.	2WSED9-009 (0-0.5)	884368		2.27		392865		3.34		512454		4.24	
5.	2WSED10-010 (0-0.5)	903859		2.27		427220		3.34		558701		4.24	
6.	2WSED11-011 (0-0.5)	1172031		2.27		552622		3.34		695799		4.24	
7.	2WSED12-012 (0-0.5)	981560		2.27		468251		3.34		668991		4.24	
8.	2WSED3-003 (0-0.5)	728499		2.27		368723		3.34		568209		4.24	
9.	2WSED3-003 (0-0.5)D	768430		2.27		407466		3.34		638848		4.24	
10.	2WSED4-004 (0-0.5)	525569		2.27		272268		3.34		446213		4.24	
11.	2WSED7-007 (0-0.5)	826946		2.27		367849		3.34		474662		4.24	
12.	LCS436894	1104576		2.28		527871		3.35		712841		4.24	
13.	2WSED13-013 (0-0.5)	880597		2.27		400309		3.34		528903		4.24	
14.	2WSED14-014 (0-0.5)	1023741		2.27		481661		3.34		604420		4.24	
15.	2WSED17-017 (0-0.5)	1042894		2.27		456773		3.34		550609		4.24	
16.	LCSD436895	1084726		2.28		522277		3.34		685082		4.24	
17.	2WSED1-001 (0-0.5)	1121746		2.27		551443		3.34		718146		4.24	
18.	2WSED8-008 (0-0.5)	997032		2.27		507948		3.34		677940		4.24	
19.	2WSED16-016 (0-0.5)	1160113		2.27		547613		3.34		649495		4.24	
20.	2WSED1-001 (0-0.5) MS	1090421		2.28		512488		3.34		677560		4.24	
21.	2WSED1-001 (0-0.5) MSD	1054807		2.28		465295		3.34		555734		4.24	
22.	2WSED2-002 (0-0.5)	750167		2.27		383997		3.34		555403		4.24	

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): 2061211/d4447 Date Analyzed: 12/11/06 Time: 0456

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	487452		7.02	532648		5.95	237683		1.45
		#		#	#		#	#		#
1.	MB436893	476474		7	615962		5.93	320981		1.44
2.	2WSED5-005 (0-0.5)	480337		7	433750		5.93	208189		1.44
3.	2WSED6-006 (0-0.5)	471901		7	445032		5.93	215158		1.44
4.	2WSED9-009 (0-0.5)	500945		7	448288		5.93	239801		1.44
5.	2WSED10-010 (0-0.5)	375088		7	368209		5.92	237285		1.44
6.	2WSED11-011 (0-0.5)	368491		7	377153		5.93	305042		1.44
7.	2WSED12-012 (0-0.5)	413127		7	453874		5.92	257619		1.44
8.	2WSED3-003 (0-0.5)	537408		7	454724		5.93	185357		1.44
9.	2WSED3-003 (0-0.5)D	546213		7	470220		5.93	201050		1.44
10.	2WSED4-004 (0-0.5)	536253		7.01	415227		5.93	139425		1.44
11.	2WSED7-007 (0-0.5)	433558		7	365969		5.93	226462		1.44
12.	LCS436894	366007		7	442081		5.94	284769		1.45
13.	2WSED13-013 (0-0.5)	501836		7	422672		5.92	242653		1.44
14.	2WSED14-014 (0-0.5)	495349		7	436822		5.92	269645		1.44
15.	2WSED17-017 (0-0.5)	458169		7	347001		5.93	291491		1.44
16.	LCSD436895	352961		7	438877		5.93	281273		1.45
17.	2WSED1-001 (0-0.5)	340235		7	397431		5.93	271896		1.44
18.	2WSED8-008 (0-0.5)	279705		7	351184		5.93	255352		1.44
19.	2WSED16-016 (0-0.5)	316886		7	367103		5.92	297681		1.44
20.	2WSED1-001 (0-0.5) MS	347703		7	439806		5.93	281631		1.44
21.	2WSED1-001 (0-0.5) MSD	275311		7	309917		5.93	280087		1.44
22.	2WSED2-002 (0-0.5)	386706		7	393583		5.93	187775		1.44

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.: 206120728

Lab File ID (Standard): 2061213/d4530 Date Analyzed: 12/13/06 Time: 1009

Instrument ID: MSSV5 GC Column: RTX-5MS-30 ID: .25 (mm)

Analytical Batch: 338715 Method: SW-846 8270

	IS 1		IS 2		IS 3	
	Area	RT	Area	RT	Area	RT
STANDARD	1131843	2.26	584100	3.32	823799	4.22
EPA Sample No.	#	#	#	#	#	#
1. 2WSED15-015 (0-0.5)	1322619	2.26	708142	3.33	996261	4.22

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): 2061213/d4530 | Date Analyzed: 12/13/06 | Time: 1009

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	415149		6.97	473110		5.9	272029		1.42
		#			#			#	
1. 2WSED15-015 (0-0.5)	422640		6.97	495071		5.9	305378		1.42

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.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 22.5 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: 2WSED1-001 (0-0.5)
Contract:
Lab File ID: 2061211/d4461
Lab Sample ID: 20612072801
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0830
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.425	U	0.00751	0.425
95-95-4	2,4,5-Trichlorophenol	0.425	U	0.00962	0.425
88-06-2	2,4,6-Trichlorophenol	0.425	U	0.00735	0.425
120-83-2	2,4-Dichlorophenol	0.425	U	0.032	0.425
51-28-5	2,4-Dinitrophenol	2.15	U	0.024	2.15
121-14-2	2,4-Dinitrotoluene	0.425	U	0.035	0.425
606-20-2	2,6-Dinitrotoluene	0.425	U	0.00733	0.425
91-58-7	2-Chloronaphthalene	0.425	U	0.031	0.425
95-57-8	2-Chlorophenol	0.425	U	0.032	0.425
91-57-6	2-Methylnaphthalene	0.085	U	0.00916	0.085
88-74-4	2-Nitroaniline	2.15	U	0.00971	2.15
88-75-5	2-Nitrophenol	0.425	U	0.012	0.425
91-94-1	3,3'-Dichlorobenzidine	0.849	U	0.072	0.849
99-09-2	3-Nitroaniline	2.15	U	0.00848	2.15
534-52-1	2-Methyl-4,6-dinitrophenol	2.15	U	0.016	2.15
59-50-7	4-Chloro-3-methylphenol	0.425	U	0.013	0.425
106-47-8	4-Chloroaniline	0.425	U	0.052	0.425
7005-72-3	4-Chlorophenyl-phenylether	0.425	U	0.00598	0.425
83-32-9	Acenaphthene	0.085	U	0.00916	0.085
208-96-8	Acenaphthylene	0.085	U	0.00926	0.085
98-86-2	Acetophenone	0.425	U	0.011	0.425
62-53-3	Aniline	0.425	U	0.055	0.425
120-12-7	Anthracene	0.085	U	0.00638	0.085
1912-24-9	Atrazine (Aatrex)	0.849	U	0.020	0.849
100-52-7	Benzaldehyde	0.849	U	0.034	0.849
92-87-5	Benzidine	1.70	U	0.404	1.70
56-55-3	Benzo(a)anthracene	0.085	U	0.00751	0.085
50-32-8	Benzo(a)pyrene	0.085	U	0.010	0.085
205-99-2	Benzo(b)fluoranthene	0.425	U	0.00812	0.425

034463

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 22.5 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: 2WSED1-001 (0-0.5)
Contract:
Lab File ID: 2061211/d4461
Lab Sample ID: 20612072801
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0830
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.425	U	0.034	0.425
207-08-9	Benzo(k)fluoranthene	0.425	U	0.011	0.425
65-85-0	Benzoic acid	2.15	U	0.198	2.15
100-51-6	Benzyl alcohol	0.425	U	0.00932	0.425
92-52-4	Biphenyl	0.425	U	0.00709	0.425
111-91-1	Bis(2-Chloroethoxy)methane	0.425	U	0.00660	0.425
111-44-4	Bis(2-Chloroethyl)ether	0.425	U	0.046	0.425
108-60-1	bis(2-Chloroisopropyl)ether	0.425	U	0.042	0.425
117-81-7	bis(2-ethylhexyl)phthalate	0.085	U	0.020	0.085
101-55-3	4-Bromophenyl-phenylether	0.425	U	0.016	0.425
85-68-7	Butylbenzylphthalate	0.425	U	0.00978	0.425
105-60-2	Caprolactam	0.425	U	0.013	0.425
86-74-8	Carbazole	0.425	U	0.00875	0.425
218-01-9	Chrysene	0.425	U	0.014	0.425
84-74-2	Di-n-butylphthalate	0.425	U	0.00854	0.425
117-84-0	Di-n-octylphthalate	0.425	U	0.00890	0.425
53-70-3	Dibenz(a,h)anthracene	0.085	U	0.040	0.085
132-64-9	Dibenzofuran	0.425	U	0.00546	0.425
84-66-2	Diethylphthalate	0.425	U	0.00697	0.425
131-11-3	Dimethyl-phthalate	0.425	U	0.025	0.425
105-67-9	2,4-Dimethylphenol	0.425	U	0.070	0.425
206-44-0	Fluoranthene	0.425	U	0.011	0.425
86-73-7	Fluorene	0.085	U	0.00714	0.085
118-74-1	Hexachlorobenzene	0.425	U	0.012	0.425
77-47-4	Hexachlorocyclopentadiene	0.425	U	0.031	0.425
67-72-1	Hexachloroethane	0.425	U	0.057	0.425
193-39-5	Indeno(1,2,3-cd)pyrene	0.425	U	0.029	0.425
78-59-1	Isophorone	0.425	U	0.00592	0.425
100-01-6	4-Nitroaniline	2.15	U	0.050	2.15

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 22.5 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: 2WSED1-001 (0-0.5)
Contract:
Lab File ID: 2061211/d4461
Lab Sample ID: 20612072801
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0830
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.425	U	0.044	0.425
100-02-7	4-Nitrophenol	2.15	U	0.011	2.15
87-86-5	Pentachlorophenol	2.15	U	0.038	2.15
85-01-8	Phenanthrene	0.085	U	0.00664	0.085
108-95-2	Phenol	0.425	U	0.00880	0.425
129-00-0	Pyrene	0.425	U	0.020	0.425
110-86-1	Pyridine	0.425	U	0.063	0.425
1319-77-3M	m,p-Cresol	0.425	U	0.012	0.425
621-64-7	N-Nitroso-di-n-propylamine	0.085	U	0.00962	0.085
62-75-9	N-Nitrosodimethylamine	0.425	U	0.051	0.425
86-30-6	N-Nitrosodiphenylamine	0.425	U	0.014	0.425
95-48-7	o-Cresol	0.425	U	0.022	0.425

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4461.d
Lab Smp Id: 20612072801 Client Smp ID: 20612072801
Inj Date : 11-DEC-2006 08:30
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072801*4482*
Misc Info : 20612072801*MSSV~4095~*120728*30.1-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 16
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

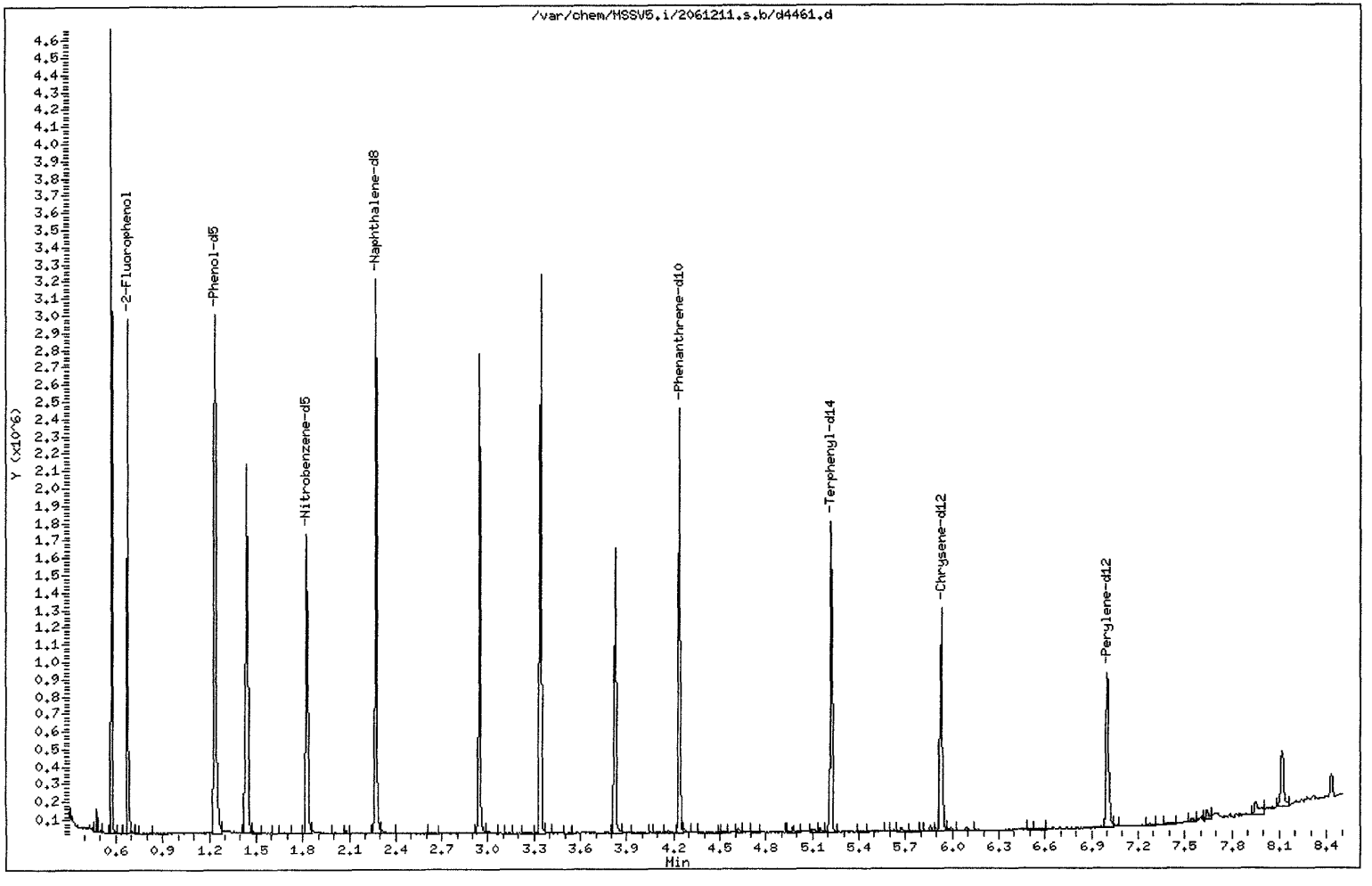
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	0.678	0.678	(0.470)	416657	76.2432	2530
$ 4 Phenol-d5	99	1.240	1.256	(0.859)	943604	75.0587	2490
* 10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	271896	40.0000	
$ 19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	462493	36.7574	1220
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	1121746	40.0000	
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	627189	35.3269	1170
* 44 Acenaphthene-d10	164	3.342	3.347	(1.000)	551443	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	161686	62.3731	2070
* 61 Phenanthrene-d10	188	4.235	4.245	(1.000)	718146	40.0000	
$ 70 Terphenyl-d14	244	5.219	5.230	(0.880)	420721	43.4130	1440
* 74 Chrysene-d12	240	5.930	5.946	(1.000)	397431	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	5.995	6.005	(1.011)	3410	0.39211	13.0
* 81 Perylene-d12	264	7.000	7.016	(1.000)	340235	40.0000	

Data File: /var/chem/MSSV5.i/2061211.s.b/d4461.d
Date : 11-DEC-2006 08:30
Client ID: 20612072801
Sample Info: 20612072801*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Page 1

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2061211.s.b/d4461.d

Date : 11-DEC-2006 08:30

Client ID: 20612072801

Instrument: MSSV5.i

Sample Info: 20612072801*4482*

Volume Injected (uL): 1.0

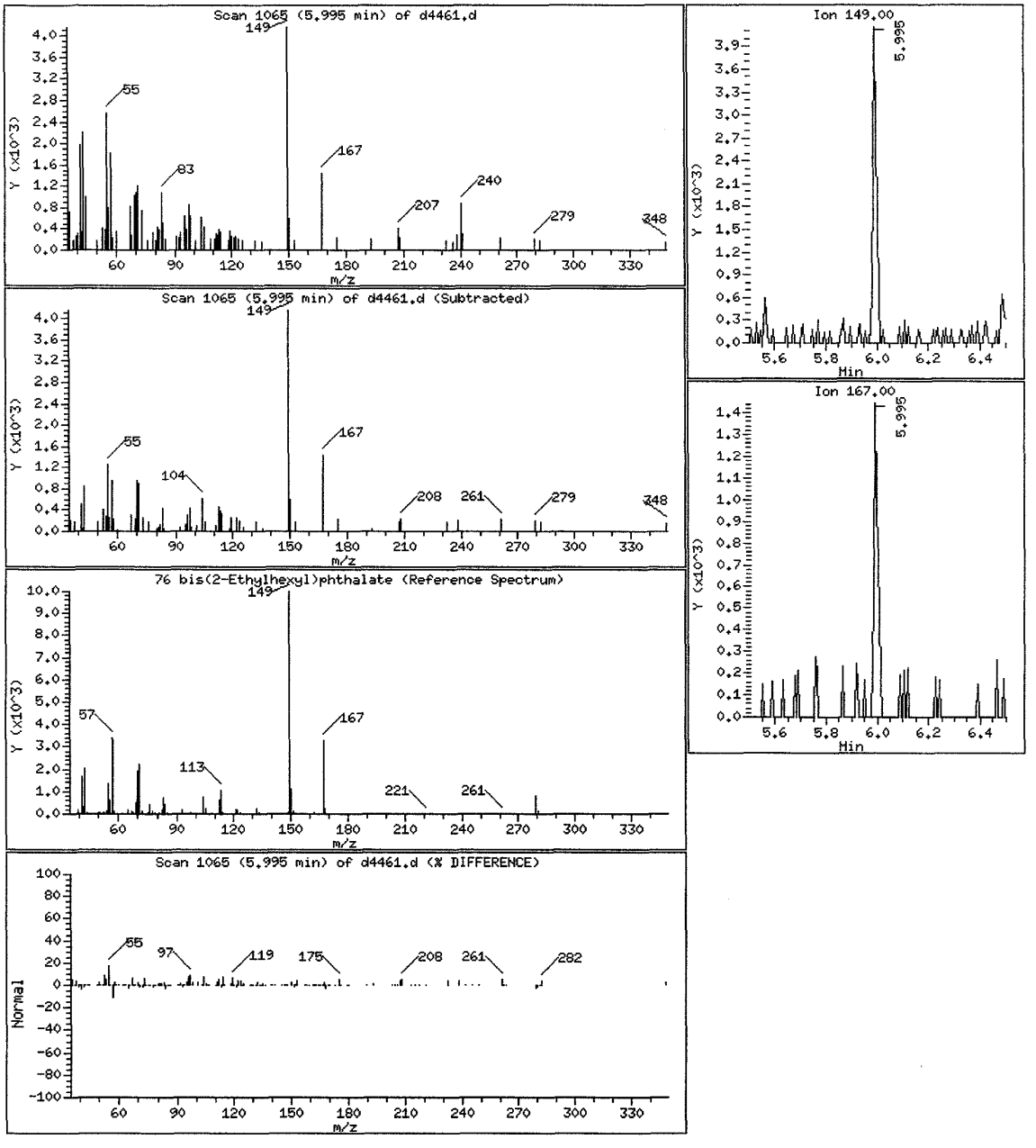
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

76 bis(2-Ethylhexyl)phthalate

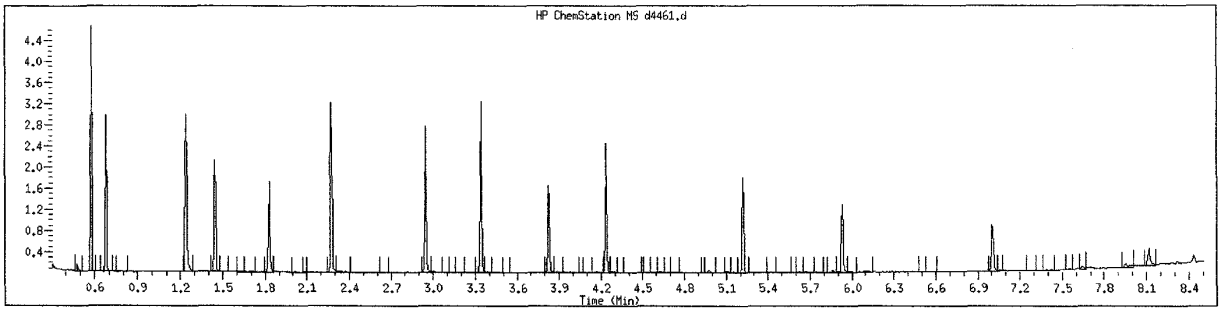
Concentration: 13.0 ug/Kg



Data file : /var/chem/MSSV5.i/2061211.s.b/d4461.d Page: 1
Report Date: 12/11/2006 16:16

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072801 SampleType : SAMPLE
Injection Date: 11-DEC-2006 08:30 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072801*4482*
Misc Info : 20612072801*MSSV~4095~*120728*30.1-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

034470

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 32.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED8-008 (0-0.5)
Contract:
Lab File ID: 2061211/d4462
Lab Sample ID: 20612072802
Date Collected: 12/06/06 Time: 1015
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0844
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.479	U	0.00847	0.479
95-95-4	2,4,5-Trichlorophenol	0.479	U	0.011	0.479
88-06-2	2,4,6-Trichlorophenol	0.479	U	0.00828	0.479
120-83-2	2,4-Dichlorophenol	0.479	U	0.036	0.479
51-28-5	2,4-Dinitrophenol	2.42	U	0.028	2.42
121-14-2	2,4-Dinitrotoluene	0.479	U	0.039	0.479
606-20-2	2,6-Dinitrotoluene	0.479	U	0.00827	0.479
91-58-7	2-Chloronaphthalene	0.479	U	0.035	0.479
95-57-8	2-Chlorophenol	0.479	U	0.036	0.479
91-57-6	2-Methylnaphthalene	0.096	U	0.010	0.096
88-74-4	2-Nitroaniline	2.42	U	0.011	2.42
88-75-5	2-Nitrophenol	0.479	U	0.014	0.479
91-94-1	3,3'-Dichlorobenzidine	0.957	U	0.081	0.957
99-09-2	3-Nitroaniline	2.42	U	0.00956	2.42
534-52-1	2-Methyl-4,6-dinitrophenol	2.42	U	0.018	2.42
59-50-7	4-Chloro-3-methylphenol	0.479	U	0.014	0.479
106-47-8	4-Chloroaniline	0.479	U	0.059	0.479
7005-72-3	4-Chlorophenyl-phenylether	0.479	U	0.00675	0.479
83-32-9	Acenaphthene	0.096	U	0.010	0.096
208-96-8	Acenaphthylene	0.096	U	0.010	0.096
98-86-2	Acetophenone	0.479	U	0.012	0.479
62-53-3	Aniline	0.479	U	0.062	0.479
120-12-7	Anthracene	0.096	U	0.00720	0.096
1912-24-9	Atrazine (Aatrex)	0.957	U	0.023	0.957
100-52-7	Benzaldehyde	0.957	U	0.038	0.957
92-87-5	Benzidine	1.91	U	0.456	1.91
56-55-3	Benzo(a)anthracene	0.096	U	0.00847	0.096
50-32-8	Benzo(a)pyrene	0.096	U	0.011	0.096
205-99-2	Benzo(b)fluoranthene	0.479	U	0.00915	0.479

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 32.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED8-008 (0-0.5)
Contract:
Lab File ID: 2061211/d4462
Lab Sample ID: 20612072802
Date Collected: 12/06/06 Time: 1015
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0844
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.479	U	0.039	0.479
207-08-9	Benzo(k)fluoranthene	0.479	U	0.013	0.479
65-85-0	Benzoic acid	2.42	U	0.223	2.42
100-51-6	Benzyl alcohol	0.479	U	0.011	0.479
92-52-4	Biphenyl	0.479	U	0.00799	0.479
111-91-1	Bis(2-Chloroethoxy)methane	0.479	U	0.00744	0.479
111-44-4	Bis(2-Chloroethyl)ether	0.479	U	0.052	0.479
108-60-1	bis(2-Chloroisopropyl)ether	0.479	U	0.047	0.479
117-81-7	bis(2-ethylhexyl)phthalate	0.096	U	0.023	0.096
101-55-3	4-Bromophenyl-phenylether	0.479	U	0.018	0.479
85-68-7	Butylbenzylphthalate	0.479	U	0.011	0.479
105-60-2	Caprolactam	0.479	U	0.014	0.479
86-74-8	Carbazole	0.479	U	0.00986	0.479
218-01-9	Chrysene	0.479	U	0.015	0.479
84-74-2	Di-n-butylphthalate	0.479	U	0.00963	0.479
117-84-0	Di-n-octylphthalate	0.479	U	0.010	0.479
53-70-3	Dibenz(a,h)anthracene	0.096	U	0.045	0.096
132-64-9	Dibenzofuran	0.479	U	0.00615	0.479
84-66-2	Diethylphthalate	0.479	U	0.00786	0.479
131-11-3	Dimethyl-phthalate	0.479	U	0.028	0.479
105-67-9	2,4-Dimethylphenol	0.479	U	0.079	0.479
206-44-0	Fluoranthene	0.479	U	0.013	0.479
86-73-7	Fluorene	0.096	U	0.00805	0.096
118-74-1	Hexachlorobenzene	0.479	U	0.014	0.479
77-47-4	Hexachlorocyclopentadiene	0.479	U	0.035	0.479
67-72-1	Hexachloroethane	0.479	U	0.064	0.479
193-39-5	Indeno(1,2,3-cd)pyrene	0.479	U	0.033	0.479
78-59-1	Isophorone	0.479	U	0.00667	0.479
100-01-6	4-Nitroaniline	2.42	U	0.056	2.42

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 32.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED8-008 (0-0.5)
Contract:
Lab File ID: 2061211/d4462
Lab Sample ID: 20612072802
Date Collected: 12/06/06 Time: 1015
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0844
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.479	U	0.049	0.479
100-02-7	4-Nitrophenol	2.42	U	0.012	2.42
87-86-5	Pentachlorophenol	2.42	U	0.043	2.42
85-01-8	Phenanthrene	0.096	U	0.00749	0.096
108-95-2	Phenol	0.479	U	0.00992	0.479
129-00-0	Pyrene	0.479	U	0.022	0.479
110-86-1	Pyridine	0.479	U	0.071	0.479
1319-77-3M	m,p-Cresol	0.479	U	0.014	0.479
621-64-7	N-Nitroso-di-n-propylamine	0.096	U	0.011	0.096
62-75-9	N-Nitrosodimethylamine	0.479	U	0.058	0.479
86-30-6	N-Nitrosodiphenylamine	0.479	U	0.016	0.479
95-48-7	o-Cresol	0.479	U	0.024	0.479

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4462.d
Lab Smp Id: 20612072802 Client Smp ID: 20612072802
Inj Date : 11-DEC-2006 08:44
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072802*4482*
Misc Info : 20612072802*MSSV~4095~*120728*30.4-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 17
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	30.40000	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	0.678	0.678	(0.470)	401796	78.2873	2580
$	4 Phenol-d5	99	1.240	1.256	(0.859)	926254	78.4521	2580
*	10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	255352	40.0000	
$	19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	454685	40.6571	1340
*	28 Naphthalene-d8	136	2.272	2.282	(1.000)	997032	40.0000	
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	624835	38.2079	1260
*	44 Acenaphthene-d10	164	3.342	3.347	(1.000)	507948	40.0000	
$	57 2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	171059	71.6395	2360
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	677940	40.0000	
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	425538	49.6925	1630
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	351184	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	7.005	7.016	(1.000)	279705	40.0000	

034475

Data File: /var/chem/MSSV5.i/2061211.s.b/d4462.d

Page 1

Date : 11-DEC-2006 08:44

Client ID: 20612072802

Instrument: MSSV5.i

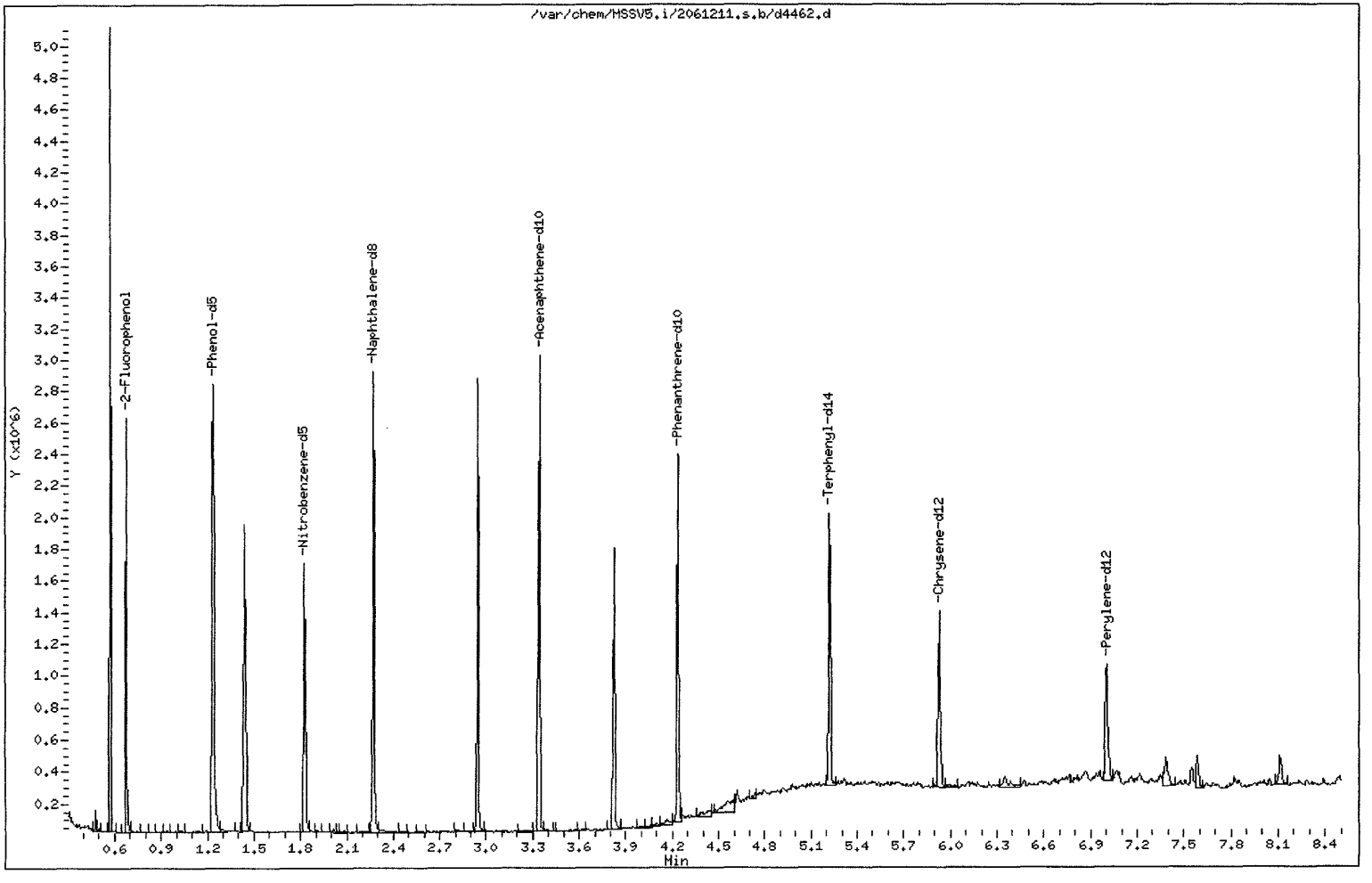
Sample Info: 20612072802*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

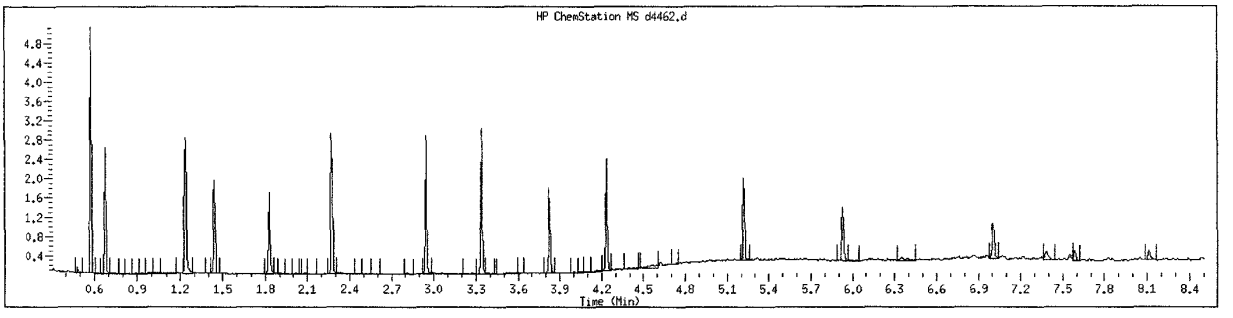
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4462.d Page: 1
Report Date: 12/11/2006 16:17

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072802 SampleType : SAMPLE
Injection Date: 11-DEC-2006 08:44 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072802*4482*
Misc Info : 20612072802*MSSV~4095~*120728*30.4-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

034477

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED16-016 (0-0.5)
Contract:
Lab File ID: 2061211/d4463
Lab Sample ID: 20612072803
Date Collected: 12/06/06 Time: 1030
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0859
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.606	U	0.011	0.606
95-95-4	2,4,5-Trichlorophenol	0.606	U	0.014	0.606
88-06-2	2,4,6-Trichlorophenol	0.606	U	0.010	0.606
120-83-2	2,4-Dichlorophenol	0.606	U	0.046	0.606
51-28-5	2,4-Dinitrophenol	3.07	U	0.035	3.07
121-14-2	2,4-Dinitrotoluene	0.606	U	0.049	0.606
606-20-2	2,6-Dinitrotoluene	0.606	U	0.010	0.606
91-58-7	2-Chloronaphthalene	0.606	U	0.044	0.606
95-57-8	2-Chlorophenol	0.606	U	0.046	0.606
91-57-6	2-Methylnaphthalene	0.121	U	0.013	0.121
88-74-4	2-Nitroaniline	3.07	U	0.014	3.07
88-75-5	2-Nitrophenol	0.606	U	0.018	0.606
91-94-1	3,3'-Dichlorobenzidine	1.21	U	0.103	1.21
99-09-2	3-Nitroaniline	3.07	U	0.012	3.07
534-52-1	2-Methyl-4,6-dinitrophenol	3.07	U	0.023	3.07
59-50-7	4-Chloro-3-methylphenol	0.606	U	0.018	0.606
106-47-8	4-Chloroaniline	0.606	U	0.075	0.606
7005-72-3	4-Chlorophenyl-phenylether	0.606	U	0.00854	0.606
83-32-9	Acenaphthene	0.121	U	0.013	0.121
208-96-8	Acenaphthylene	0.121	U	0.013	0.121
98-86-2	Acetophenone	0.606	U	0.015	0.606
62-53-3	Aniline	0.606	U	0.078	0.606
120-12-7	Anthracene	0.121	U	0.00911	0.121
1912-24-9	Atrazine (Aatrex)	1.21	U	0.029	1.21
100-52-7	Benzaldehyde	1.21	U	0.048	1.21
92-87-5	Benzidine	2.42	U	0.576	2.42
56-55-3	Benzo(a)anthracene	0.017	J	0.011	0.121
50-32-8	Benzo(a)pyrene	0.025	J	0.014	0.121
205-99-2	Benzo(b)fluoranthene	0.606	U	0.012	0.606

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED16-016 (0-0.5)
Contract:
Lab File ID: 2061211/d4463
Lab Sample ID: 20612072803
Date Collected: 12/06/06 Time: 1030
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0859
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.606	U	0.049	0.606
207-08-9	Benzo(k)fluoranthene	0.606	U	0.016	0.606
65-85-0	Benzoic acid	3.07	U	0.283	3.07
100-51-6	Benzyl alcohol	0.606	U	0.013	0.606
92-52-4	Biphenyl	0.606	U	0.010	0.606
111-91-1	Bis(2-Chloroethoxy)methane	0.606	U	0.00942	0.606
111-44-4	Bis(2-Chloroethyl)ether	0.606	U	0.066	0.606
108-60-1	bis(2-Chloroisopropyl)ether	0.606	U	0.060	0.606
117-81-7	bis(2-ethylhexyl)phthalate	0.049	J	0.029	0.121
101-55-3	4-Bromophenyl-phenylether	0.606	U	0.023	0.606
85-68-7	Butylbenzylphthalate	0.606	U	0.014	0.606
105-60-2	Caprolactam	0.606	U	0.018	0.606
86-74-8	Carbazole	0.606	U	0.012	0.606
218-01-9	Chrysene	0.040	J	0.019	0.606
84-74-2	Di-n-butylphthalate	0.606	U	0.012	0.606
117-84-0	Di-n-octylphthalate	0.606	U	0.013	0.606
53-70-3	Dibenz(a,h)anthracene	0.121	U	0.057	0.121
132-64-9	Dibenzofuran	0.606	U	0.00778	0.606
84-66-2	Diethylphthalate	0.606	U	0.00995	0.606
131-11-3	Dimethyl-phthalate	0.606	U	0.036	0.606
105-67-9	2,4-Dimethylphenol	0.606	U	0.100	0.606
206-44-0	Fluoranthene	0.036	J	0.016	0.606
86-73-7	Fluorene	0.121	U	0.010	0.121
118-74-1	Hexachlorobenzene	0.606	U	0.018	0.606
77-47-4	Hexachlorocyclopentadiene	0.606	U	0.045	0.606
67-72-1	Hexachloroethane	0.606	U	0.081	0.606
193-39-5	Indeno(1,2,3-cd)pyrene	0.606	U	0.042	0.606
78-59-1	Isophorone	0.606	U	0.00845	0.606
100-01-6	4-Nitroaniline	3.07	U	0.071	3.07

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED16-016 (0-0.5)
Contract:
Lab File ID: 2061211/d4463
Lab Sample ID: 20612072803
Date Collected: 12/06/06 Time: 1030
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0859
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.606	U	0.062	0.606
100-02-7	4-Nitrophenol	3.07	U	0.015	3.07
87-86-5	Pentachlorophenol	3.07	U	0.054	3.07
85-01-8	Phenanthrene	0.023	J	0.00947	0.121
108-95-2	Phenol	0.606	U	0.013	0.606
129-00-0	Pyrene	0.042	J	0.028	0.606
110-86-1	Pyridine	0.606	U	0.090	0.606
1319-77-3M	m,p-Cresol	0.606	U	0.018	0.606
621-64-7	N-Nitroso-di-n-propylamine	0.121	U	0.014	0.121
62-75-9	N-Nitrosodimethylamine	0.606	U	0.073	0.606
86-30-6	N-Nitrosodiphenylamine	0.606	U	0.020	0.606
95-48-7	o-Cresol	0.606	U	0.031	0.606

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4463.d
Lab Smp Id: 20612072803 Client Smp ID: 20612072803
Inj Date : 11-DEC-2006 08:59
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072803*4482*
Misc Info : 20612072803*MSSV~4095~*120728*30.0-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 18
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	0.678	0.678	(0.470)	424853	71.0089	2370
$ 4 Phenol-d5	99	1.239	1.256	(0.859)	947797	68.8618	2300
* 10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	297681	40.0000	
$ 19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	463884	35.6487	1190
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	1160113	40.0000	
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	624860	35.4418	1180
* 44 Acenaphthene-d10	164	3.341	3.347	(1.000)	547613	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	138296	53.7232	1790
* 61 Phenanthrene-d10	188	4.235	4.245	(1.000)	649495	40.0000	
62 Phenanthrene	178	4.245	4.261	(1.003)	7634	0.38172	12.7
67 Fluoranthene +	202	4.973	4.978	(1.174)	10983	0.59162	19.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	69 Pyrene	202	5.107	5.112	(0.862)	10119	0.69144	23.0
$	70 Terphenyl-d14	244	5.219	5.230	(0.881)	359522	40.1628	1340
	72 Benzo(a)anthracene	228	5.952	5.936	(1.004)	7676	0.27756	9.25
*	74 Chrysene-d12	240	5.925	5.946	(1.000)	367103	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.012)	7081	0.79873	26.6
	75 Chrysene	228	5.952	5.962	(1.004)	7676	0.65332	21.8
	80 Benzo(a)pyrene +	252	6.973	6.979	(0.996)	4355	0.40377	13.5
*	81 Perylene-d12	264	7.000	7.016	(1.000)	316886	40.0000	
	84 Benzo(g,h,i)perylene	276	7.936	7.925	(1.134)	4731	0.41500	13.8

Data File: /var/chem/MSSV5.i/2061211.s.b/d4463.d

Page 1

Date : 11-DEC-2006 08:59

Client ID: 20612072803

Instrument: MSSV5.i

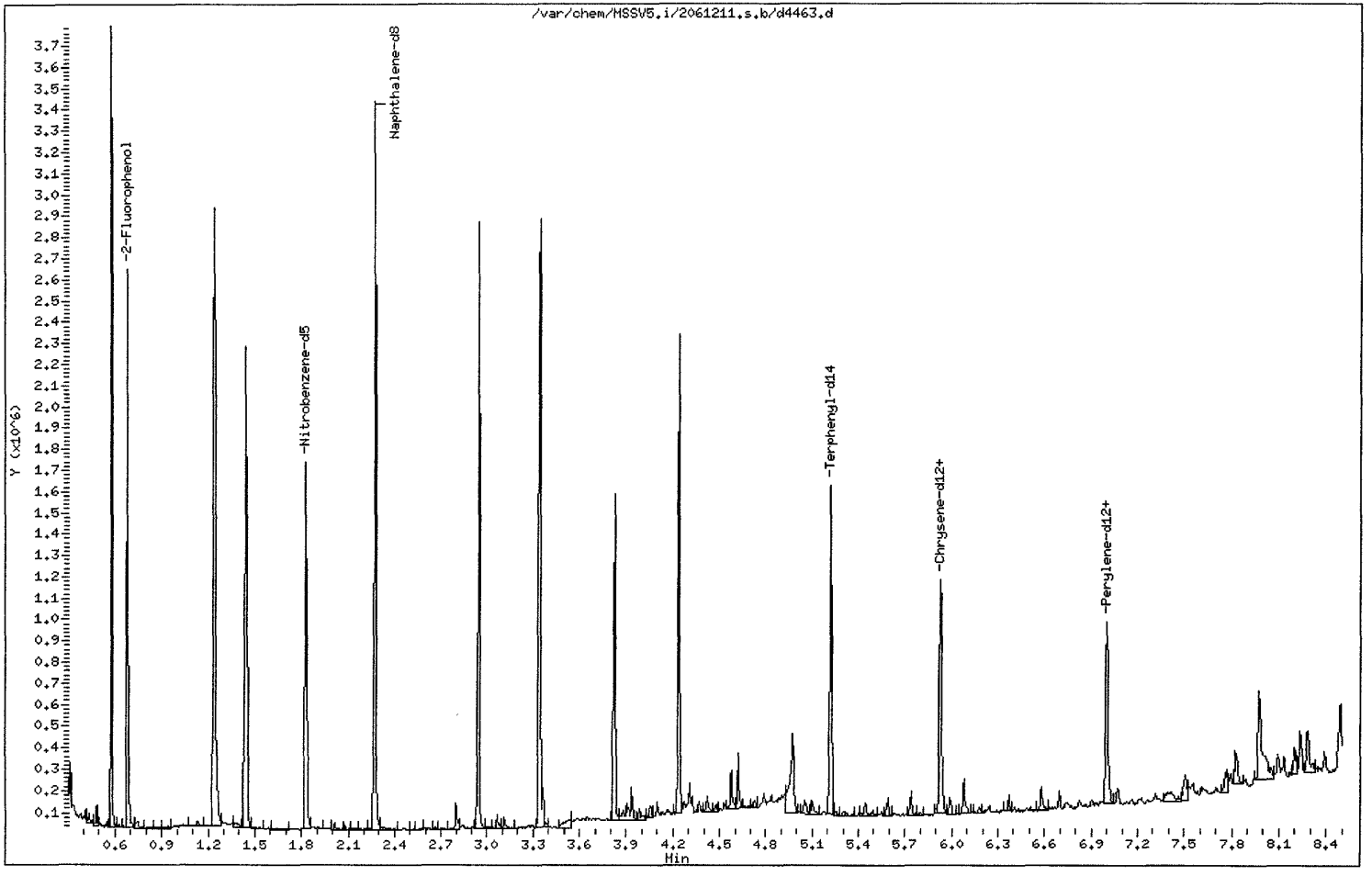
Sample Info: 20612072803*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2061211.s.b/d4463.d

Date : 11-DEC-2006 08:59

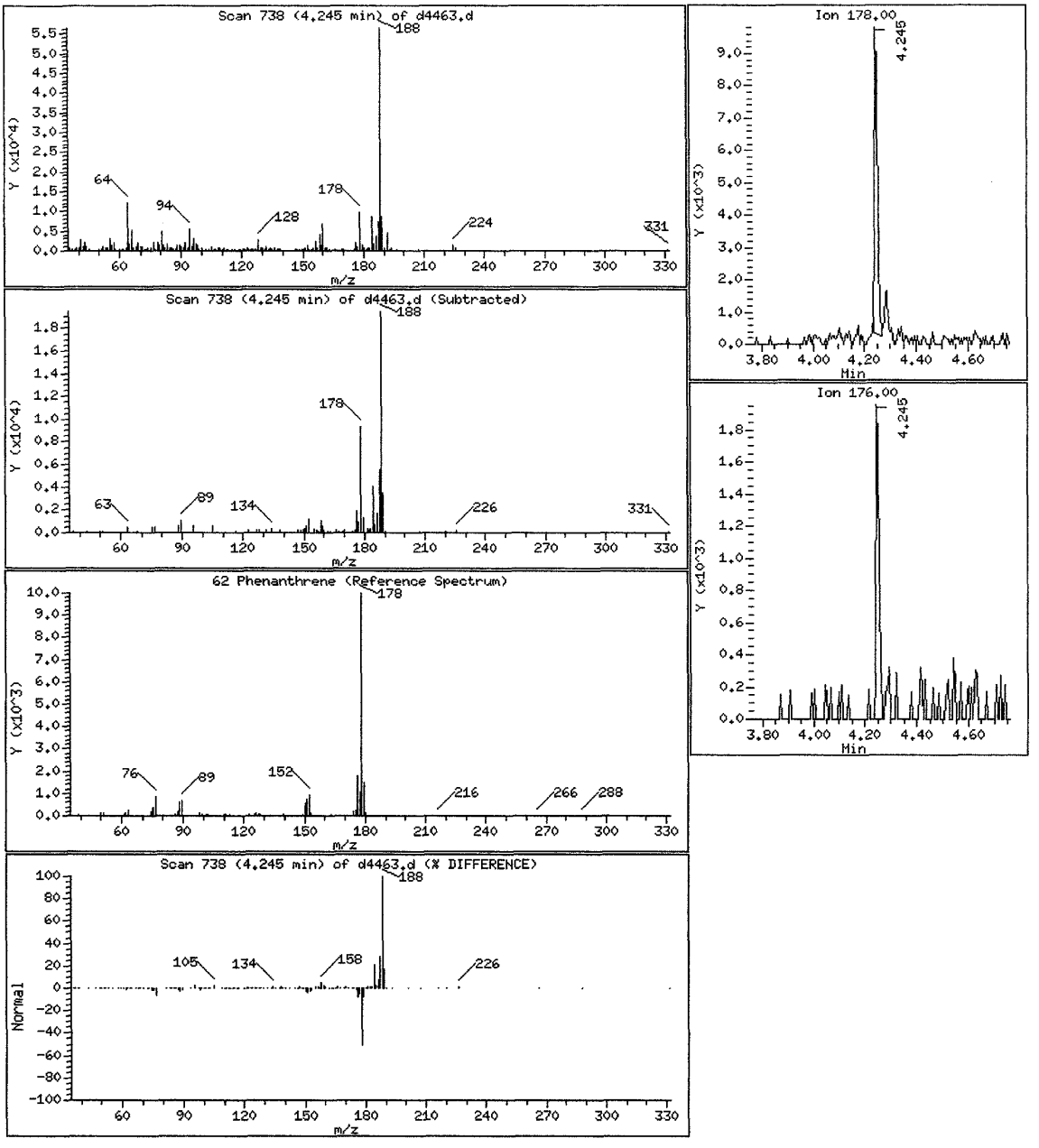
Client ID: 20612072803 Instrument: MSSV5.i

Sample Info: 20612072803*4482*

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

62 Phenanthrene Concentration: 12.7 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4463.d

Date : 11-DEC-2006 08:59

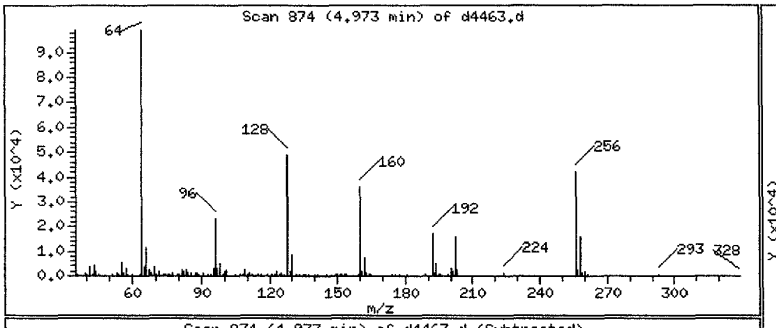
Client ID: 20612072803 Instrument: MSSV5.i

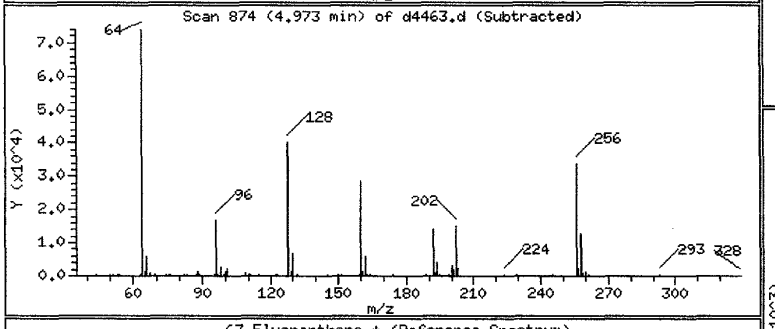
Sample Info: 20612072803*4482*

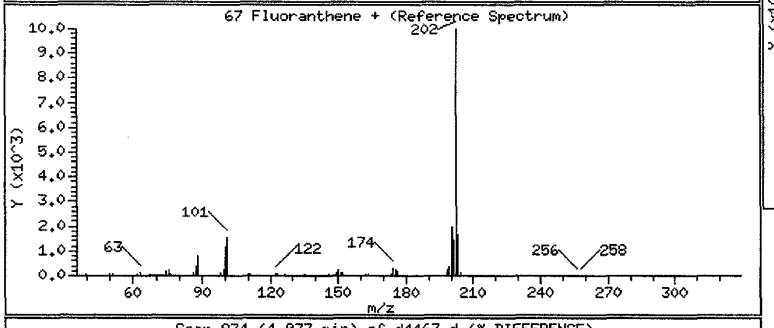
Volume Injected (uL): 1.0 Operator: rrr

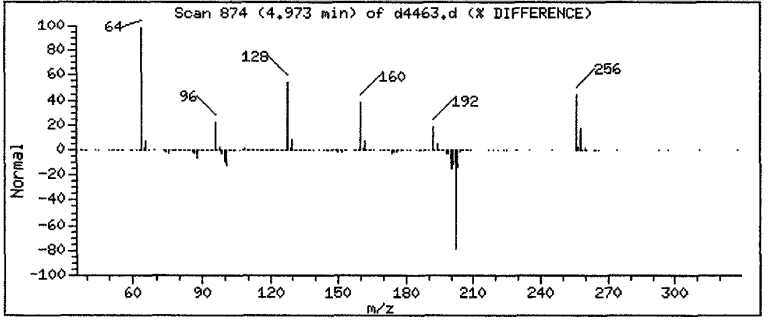
Column phase: RTX-5MS-30M Column diameter: 0.25

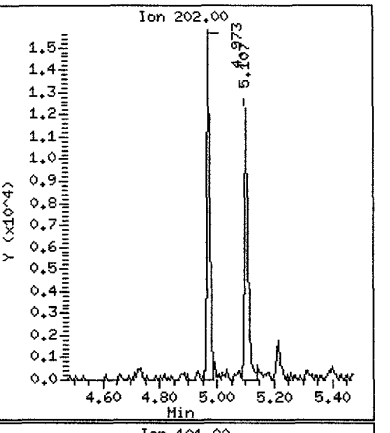
67 Fluoranthene + Concentration: 19.7 ug/Kg

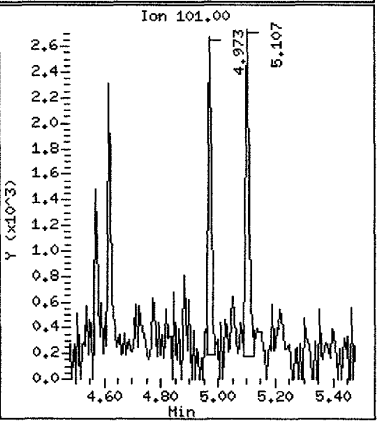












Data File: /var/chem/MSSV5.i/2061211.s.b/d4463.d

Date : 11-DEC-2006 08:59

Client ID: 20612072803

Instrument: MSSV5.i

Sample Info: 20612072803x4482x

Volume Injected (uL): 1.0

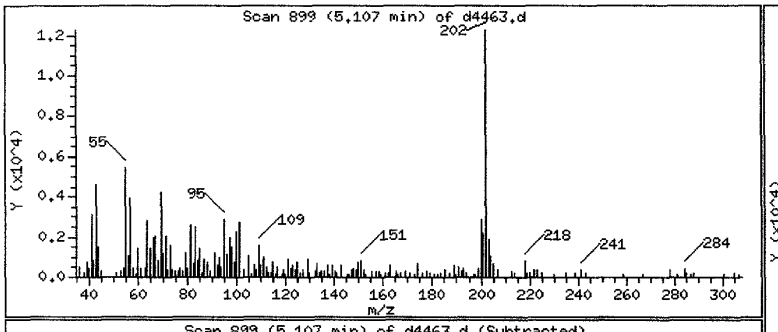
Operator: rrr

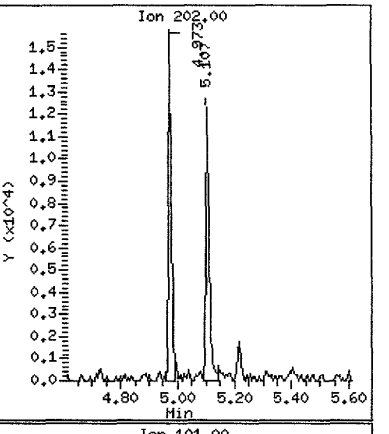
Column phase: RTX-5MS-30M

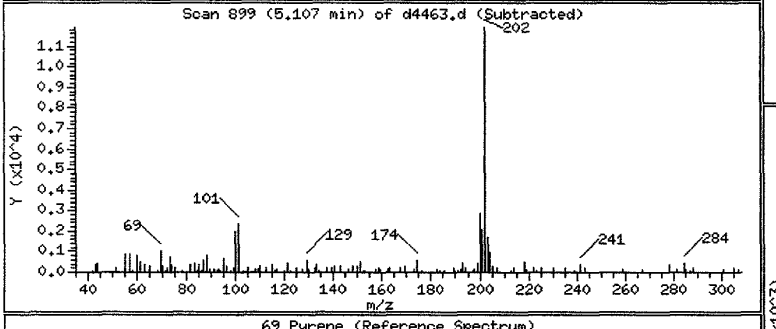
Column diameter: 0.25

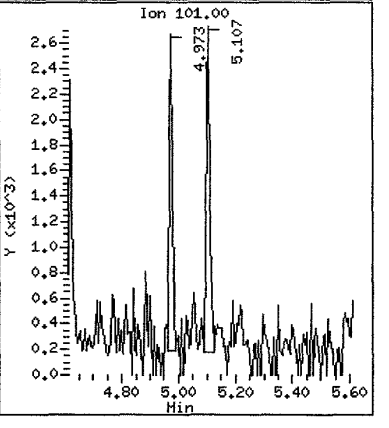
69 Pyrene

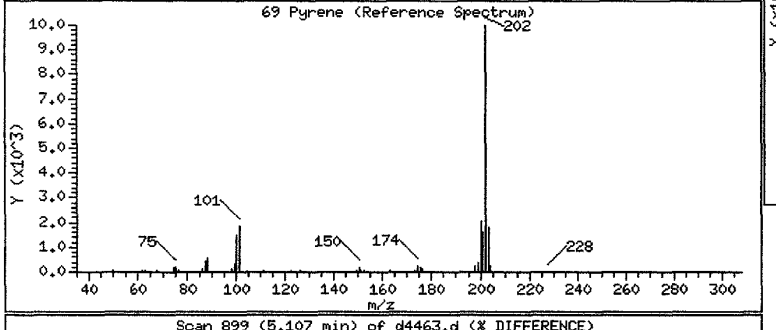
Concentration: 23.0 ug/Kg

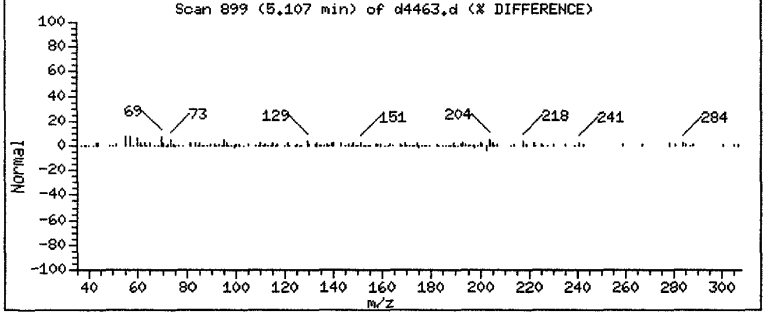












Data File: /var/chem/MSSV5.i/2061211.s.b/d4463.d

Date : 11-DEC-2006 08:59

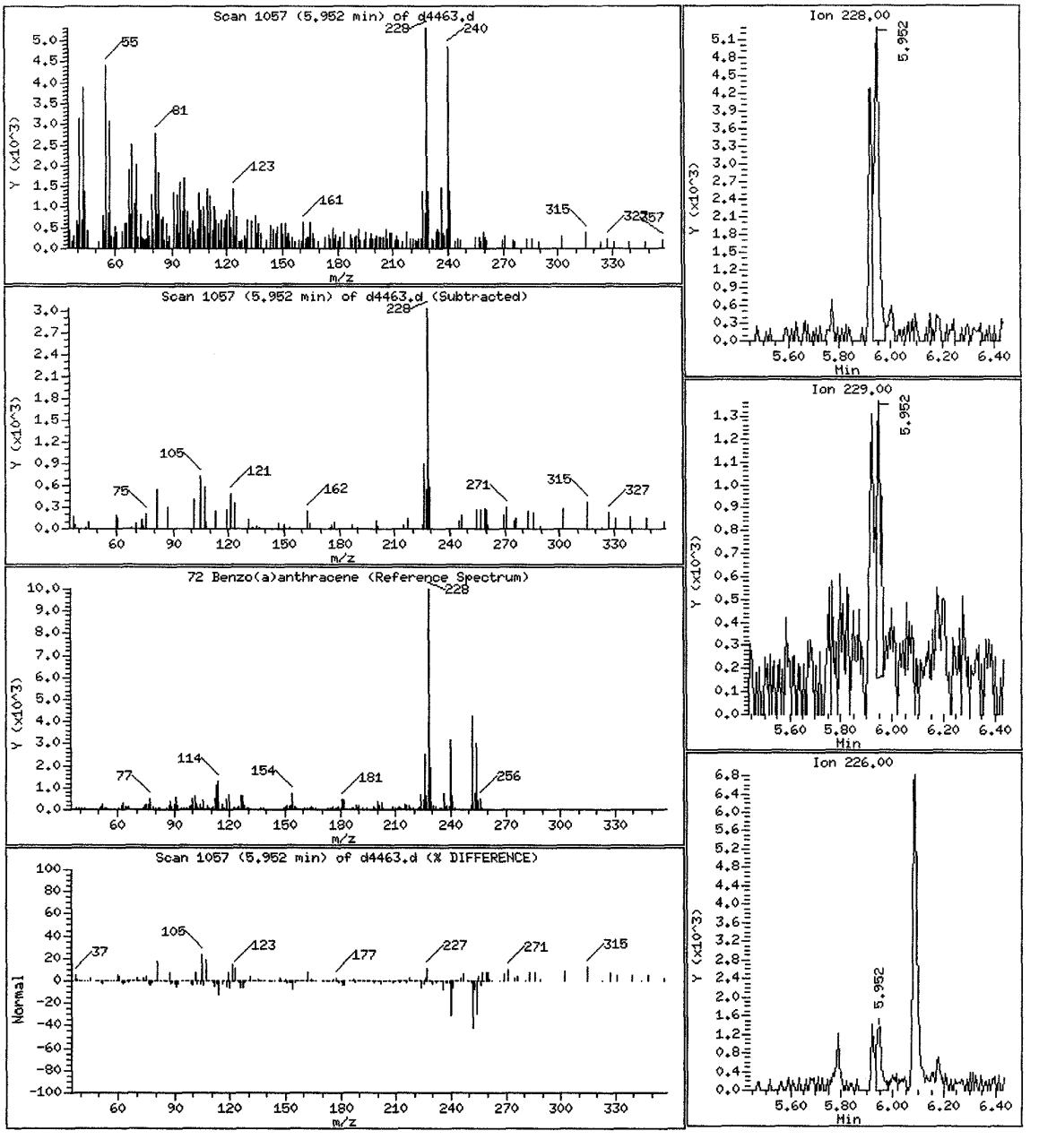
Client ID: 20612072803 Instrument: MSSV5.i

Sample Info: 20612072803*4482*

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

72 Benzo(a)anthracene Concentration: 9.25 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4463.d

Date : 11-DEC-2006 08:59

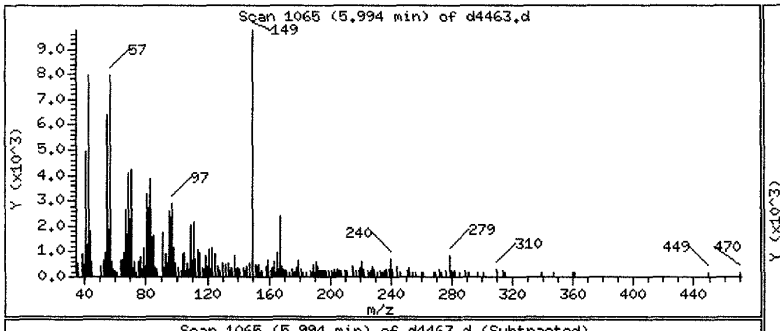
Client ID: 20612072803 Instrument: MSSV5.i

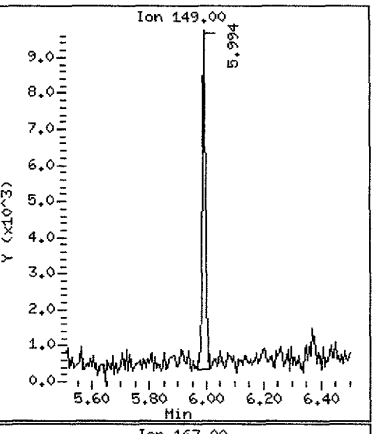
Sample Info: 20612072803*4482*

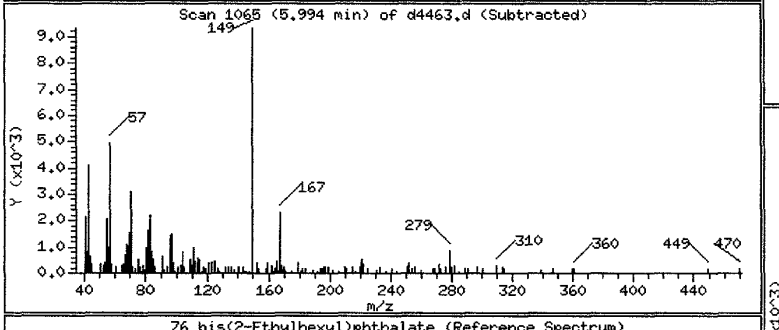
Volume Injected (uL): 1.0 Operator: rrr

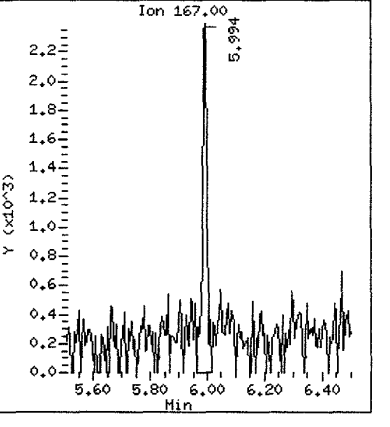
Column phase: RTX-5MS-30M Column diameter: 0.25

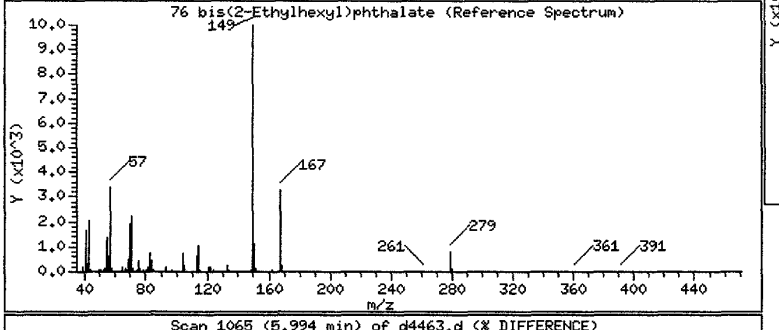
76 bis(2-Ethylhexyl)phthalate Concentration: 26.6 ug/Kg

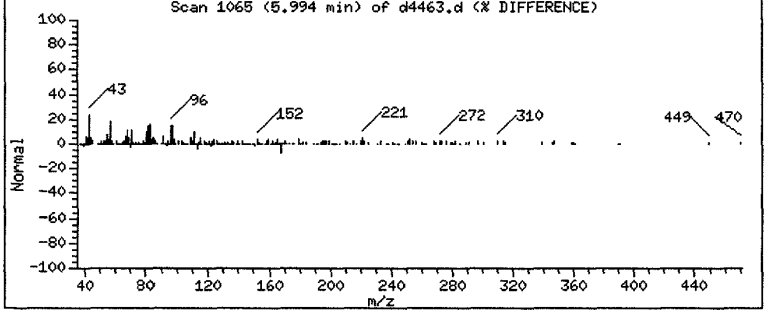












Data File: /var/chem/MSSV5.i/2061211.s.b/d4463.d

Date : 11-DEC-2006 08:59

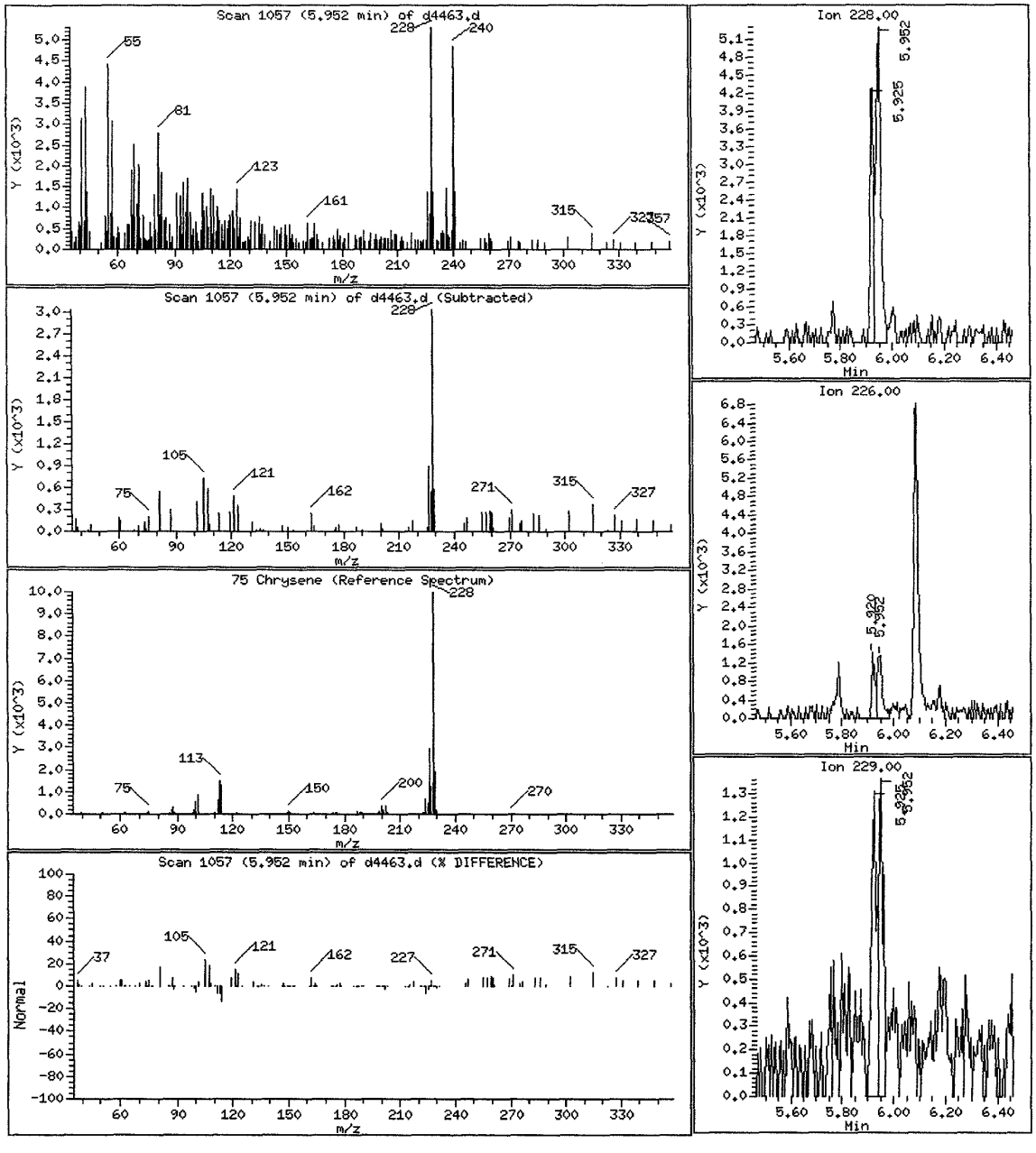
Client ID: 20612072803 Instrument: MSSV5.i

Sample Info: 20612072803*4482*

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

75 Chrysene Concentration: 21.8 ug/Kg



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Date : 11-DEC-2006 08:59

Client ID: 20612072803

Instrument: MSSV5.i

Sample Info: 20612072803*4482*

Volume Injected (uL): 1.0

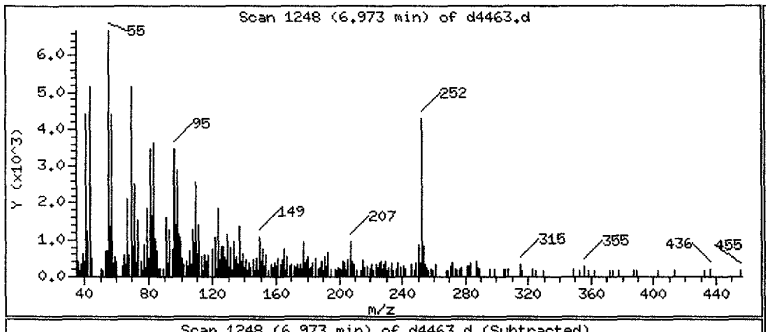
Operator: rrr

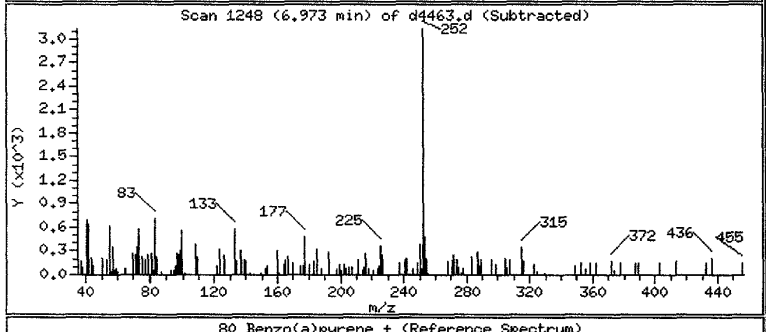
Column phase: RTX-5MS-30M

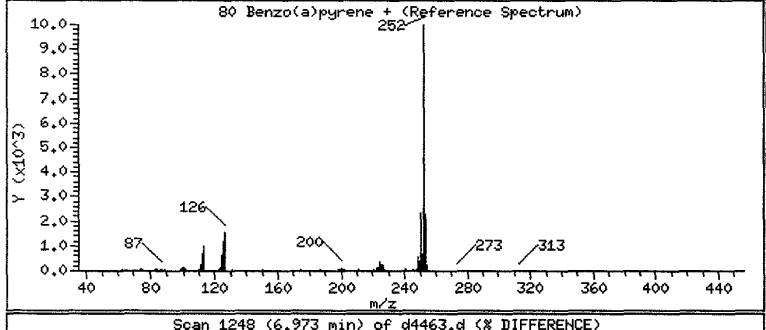
Column diameter: 0.25

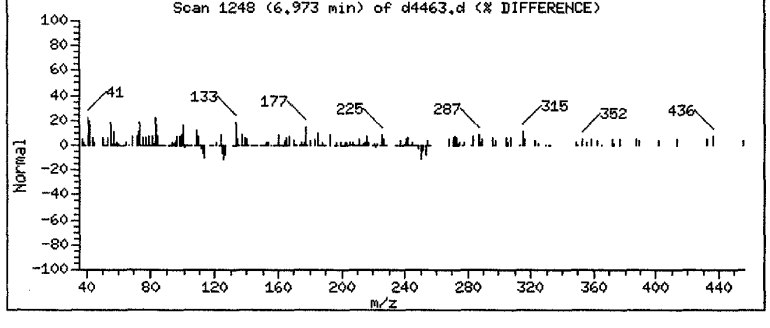
80 Benzo(a)pyrene +

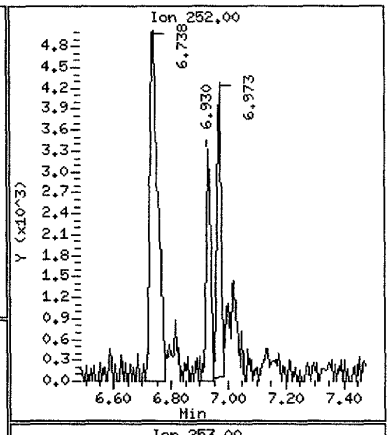
Concentration: 13.5 ug/Kg

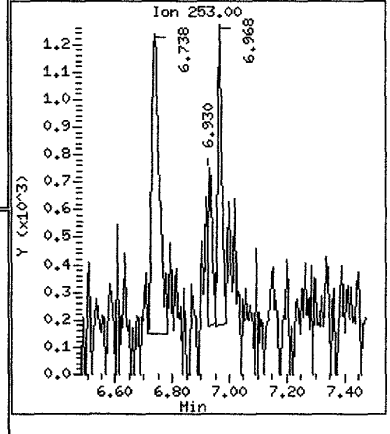












Data File: /var/chem/MSSV5.i/2061211.s.b/d4463.d

Date : 11-DEC-2006 08:59

Client ID: 20612072803

Instrument: MSSV5.i

Sample Info: 20612072803*4482*

Volume Injected (uL): 1.0

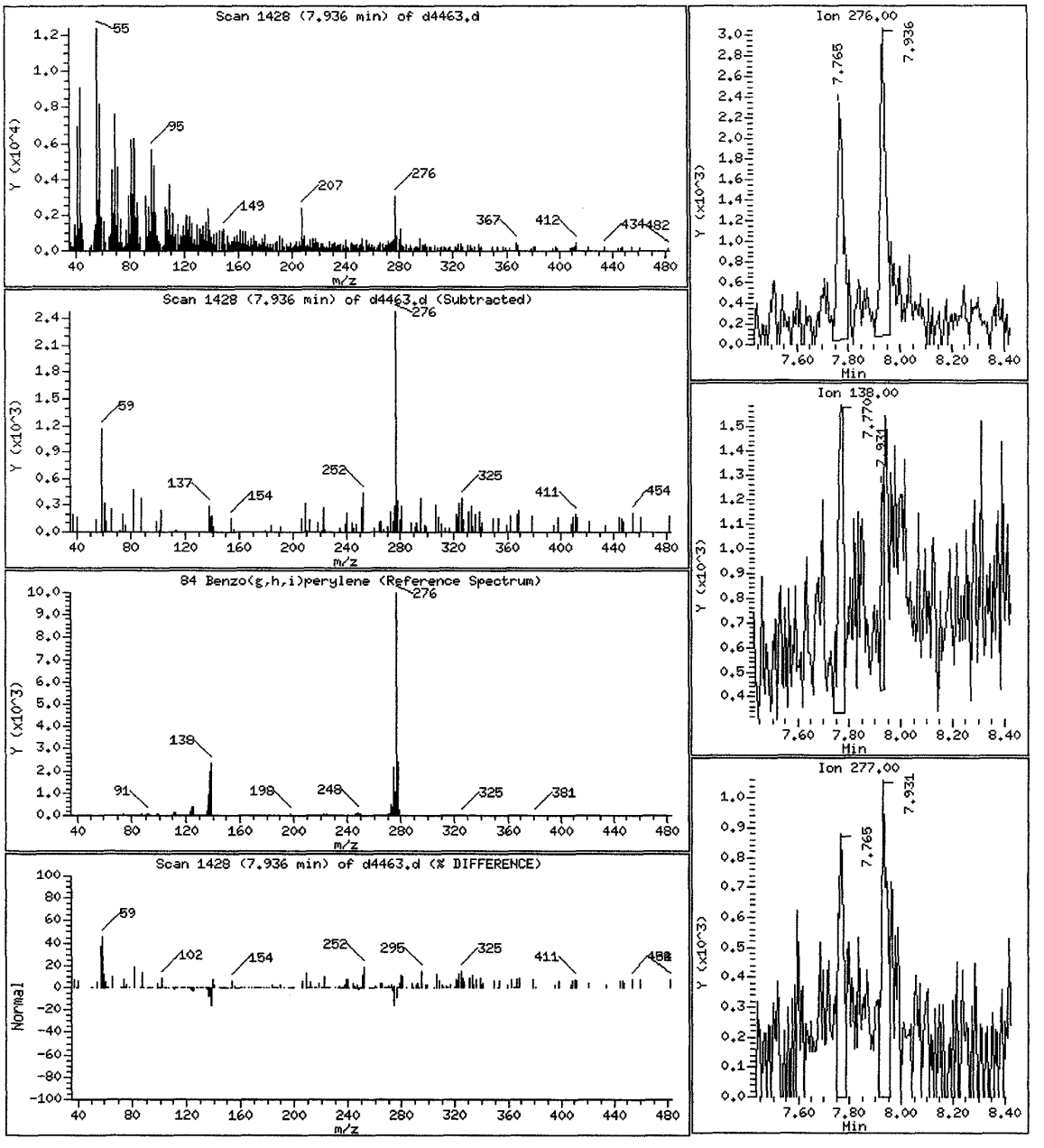
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

84 Benzo(g,h,i)perylene

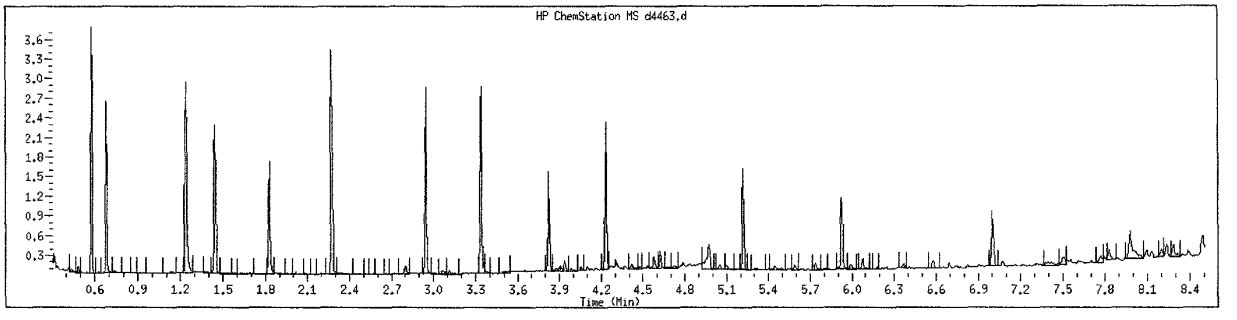
Concentration: 13.8 ug/Kg



Data file : /var/chem/MSSV5.i/2061211.s.b/d4463.d Page: 1
Report Date: 12/11/2006 16:19

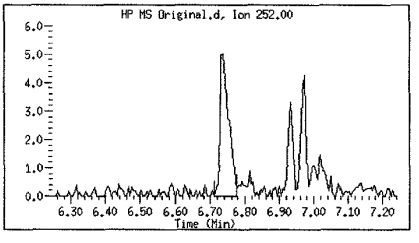
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072803 SampleType : SAMPLE
Injection Date: 11-DEC-2006 08:59 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072803*4482*
Misc Info : 20612072803*MSSV~4095~*120728*30.0-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



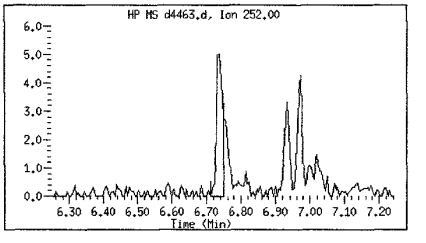
Original Final

78 Benzo(b)fluoranthene CAS#: 205-99-2 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 16:18



M1- Compound response manually integrated because
Target system did not integrate.

034492

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 58.8 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: 2WSED2-002 (0-0.5)
Contract:
Lab File ID: 2061211/d4466
Lab Sample ID: 20612072806
Date Collected: 12/06/06 Time: 0825
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0943
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.796	U	0.141	0.796
95-95-4	2,4,5-Trichlorophenol	0.796	U	0.180	0.796
88-06-2	2,4,6-Trichlorophenol	0.796	U	0.138	0.796
120-83-2	2,4-Dichlorophenol	0.796	U	0.598	0.796
51-28-5	2,4-Dinitrophenol	8.08	U	0.458	8.08
121-14-2	2,4-Dinitrotoluene	0.796	U	0.649	0.796
606-20-2	2,6-Dinitrotoluene	0.796	U	0.137	0.796
91-58-7	2-Chloronaphthalene	0.796	U	0.584	0.796
95-57-8	2-Chlorophenol	0.796	U	0.598	0.796
91-57-6	2-Methylnaphthalene	0.796	U	0.172	0.796
88-74-4	2-Nitroaniline	4.03	U	0.182	4.03
88-75-5	2-Nitrophenol	0.796	U	0.231	0.796
91-94-1	3,3'-Dichlorobenzidine	1.45	U	1.35	1.45
99-09-2	3-Nitroaniline	4.03	U	0.159	4.03
534-52-1	2-Methyl-4,6-dinitrophenol	4.03	U	0.301	4.03
59-50-7	4-Chloro-3-methylphenol	0.796	U	0.239	0.796
106-47-8	4-Chloroaniline	1.21	U	0.984	1.21
7005-72-3	4-Chlorophenyl-phenylether	0.796	U	0.112	0.796
83-32-9	Acenaphthene	0.796	U	0.172	0.796
208-96-8	Acenaphthylene	0.796	U	0.174	0.796
98-86-2	Acetophenone	0.796	U	0.197	0.796
62-53-3	Aniline	1.21	U	1.03	1.21
120-12-7	Anthracene	0.796	U	0.120	0.796
1912-24-9	Atrazine (Aatrex)	1.59	U	0.383	1.59
100-52-7	Benzaldehyde	0.796	U	0.634	0.796
92-87-5	Benzidine	7.96	U	7.57	7.96
56-55-3	Benzo(a)anthracene	0.796	U	0.141	0.796
50-32-8	Benzo(a)pyrene	0.367	J	0.189	0.796
205-99-2	Benzo(b)fluoranthene	0.796	U	0.152	0.796

034493

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 58.8 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: 2WSED2-002 (0-0.5)
Contract:
Lab File ID: 2061211/d4466
Lab Sample ID: 20612072806
Date Collected: 12/06/06 Time: 0825
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0943
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.796	U	0.644	0.796
207-08-9	Benzo(k)fluoranthene	0.796	U	0.215	0.796
65-85-0	Benzoic acid	4.03	U	3.71	4.03
100-51-6	Benzyl alcohol	0.796	U	0.175	0.796
92-52-4	Biphenyl	0.796	U	0.133	0.796
111-91-1	Bis(2-Chloroethoxy)methane	0.796	U	0.124	0.796
111-44-4	Bis(2-Chloroethyl)ether	0.868	U	0.866	0.868
108-60-1	bis(2-Chloroisopropyl)ether	0.796	U	0.784	0.796
117-81-7	bis(2-ethylhexyl)phthalate	0.796	U	0.379	0.796
101-55-3	4-Bromophenyl-phenylether	0.796	U	0.297	0.796
85-68-7	Butylbenzylphthalate	0.796	U	0.183	0.796
105-60-2	Caprolactam	0.796	U	0.236	0.796
86-74-8	Carbazole	0.796	U	0.164	0.796
218-01-9	Chrysene	0.796	U	0.253	0.796
84-74-2	Di-n-butylphthalate	0.796	U	0.160	0.796
117-84-0	Di-n-octylphthalate	0.796	U	0.167	0.796
53-70-3	Dibenz(a,h)anthracene	0.796	U	0.743	0.796
132-64-9	Dibenzofuran	0.796	U	0.102	0.796
84-66-2	Diethylphthalate	0.796	U	0.131	0.796
131-11-3	Dimethyl-phthalate	0.796	U	0.473	0.796
105-67-9	2,4-Dimethylphenol	1.33	U	1.31	1.33
206-44-0	Fluoranthene	0.796	U	0.212	0.796
86-73-7	Fluorene	0.796	U	0.134	0.796
118-74-1	Hexachlorobenzene	0.796	U	0.232	0.796
77-47-4	Hexachlorocyclopentadiene	0.796	U	0.588	0.796
67-72-1	Hexachloroethane	1.21	U	1.06	1.21
193-39-5	Indeno(1,2,3-cd)pyrene	0.796	U	0.550	0.796
78-59-1	Isophorone	0.796	U	0.111	0.796
100-01-6	4-Nitroaniline	4.03	U	0.931	4.03

034494

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 58.8 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: 2WSED2-002 (0-0.5)
Contract:
Lab File ID: 2061211/d4466
Lab Sample ID: 20612072806
Date Collected: 12/06/06 Time: 0825
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0943
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.965	U	0.820	0.965
100-02-7	4-Nitrophenol	4.03	U	0.199	4.03
87-86-5	Pentachlorophenol	4.03	U	0.707	4.03
85-01-8	Phenanthrene	0.796	U	0.124	0.796
108-95-2	Phenol	0.796	U	0.165	0.796
129-00-0	Pyrene	0.796	U	0.371	0.796
110-86-1	Pyridine	1.59	U	1.19	1.59
1319-77-3M	m,p-Cresol	0.796	U	0.233	0.796
621-64-7	N-Nitroso-di-n-propylamine	0.796	U	0.180	0.796
62-75-9	N-Nitrosodimethylamine	1.59	U	0.957	1.59
86-30-6	N-Nitrosodiphenylamine	0.796	U	0.263	0.796
95-48-7	o-Cresol	0.796	U	0.405	0.796

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4466.d
Lab Smp Id: 20612072806 Client Smp ID: 20612072806
Inj Date : 11-DEC-2006 09:43
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072806*4482*
Misc Info : 20612072806*MSSV~4095~*120728*30.2-1X10*33846
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 21
Dil Factor: 10.00000
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	10.00000	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

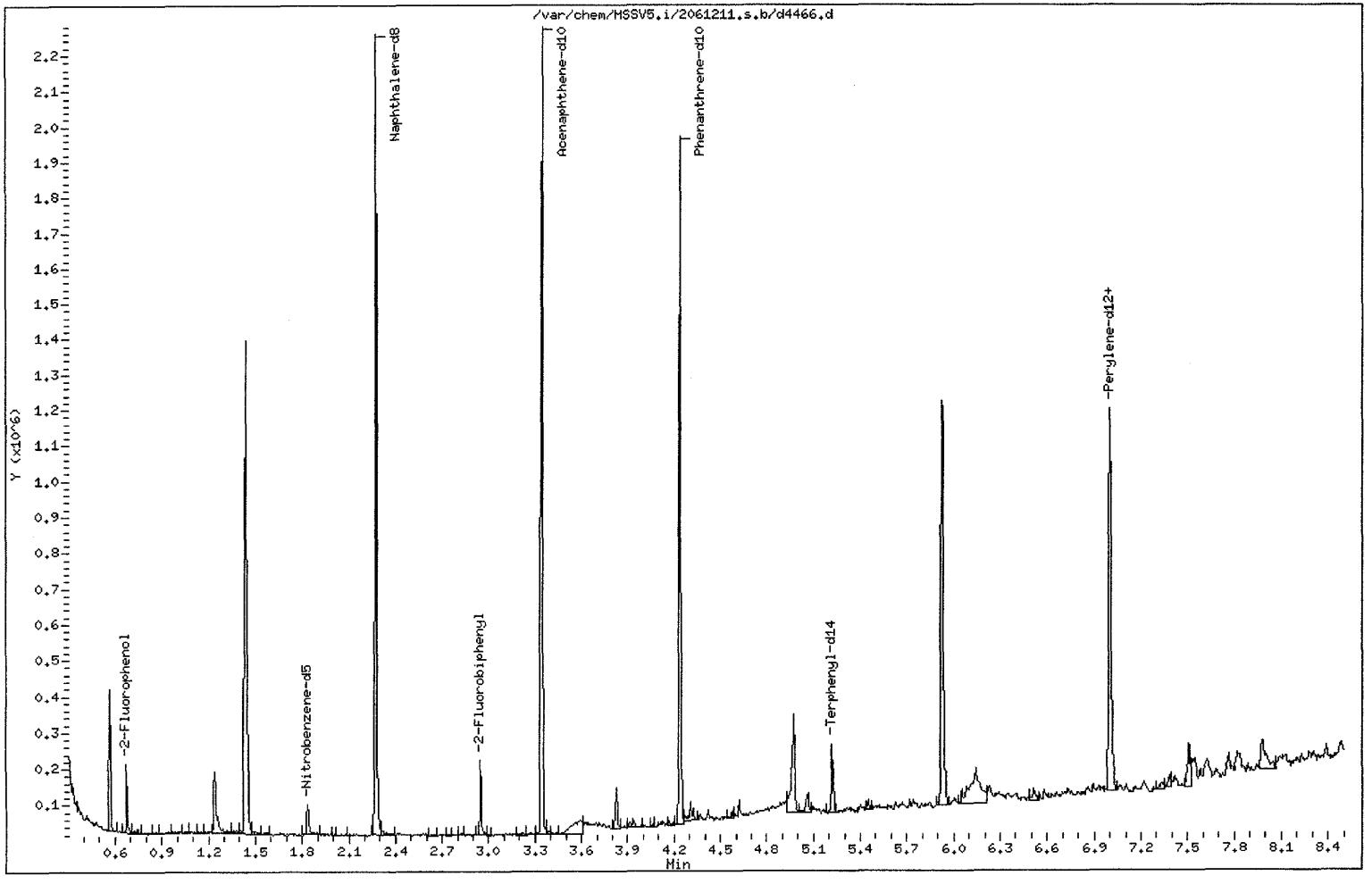
Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	0.673	0.678	(0.468)	30596	8.10685	2700
$ 4 Phenol-d5	99	1.240	1.256	(0.862)	70336	8.10128	2700
* 10 1,4-Dichlorobenzene-d4	152	1.437	1.448	(1.000)	187775	40.0000	
$ 19 Nitrobenzene-d5	82	1.833	1.839	(0.807)	29869	3.54975	1180
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	750167	40.0000	
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	49352	3.99194	1330
* 44 Acenaphthene-d10	164	3.342	3.347	(1.000)	383997	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	11167	6.18635	2060
* 61 Phenanthrene-d10	188	4.235	4.245	(1.000)	555403	40.0000	
$ 70 Terphenyl-d14	244	5.219	5.230	(0.880)	40269	4.19586	1400
* 74 Chrysene-d12	240	5.930	5.946	(1.000)	393583	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
76	bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.011)	1413	0.20276	67.6
80	Benzo(a)pyrene +	252	6.936	6.979	(0.991)	5978	0.45417	151
* 81	Perylene-d12	264	7.000	7.016	(1.000)	386706	40.0000	
84	Benzo(g,h,i)perylene	276	7.931	7.925	(1.133)	3931	0.28257	94.2

034497

Data File: /var/chem/MSSV5.i/2061211.s.b/d4466.d
Date : 11-DEC-2006 09:43
Client ID: 20612072806
Sample Info: 20612072806*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



000113

034498

Data File: /var/chem/MSSV5.i/2061211.s.b/d4466.d

Date : 11-DEC-2006 09:43

Client ID: 20612072806

Instrument: MSSV5.i

Sample Info: 20612072806*4482*

Volume Injected (uL): 1.0

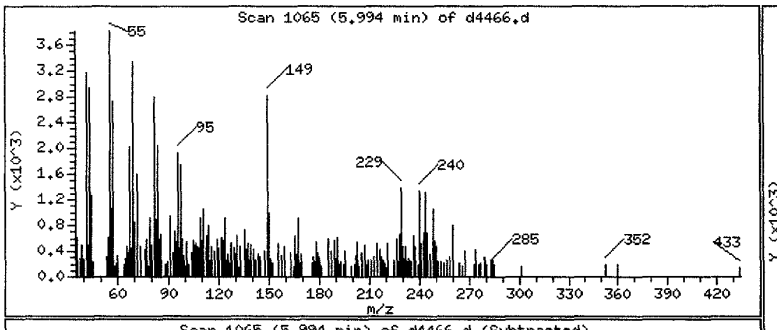
Operator: rrr

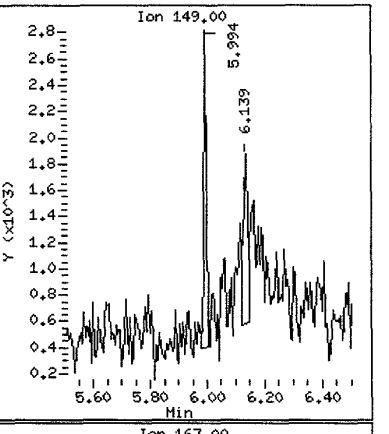
Column phase: RTX-5MS-30M

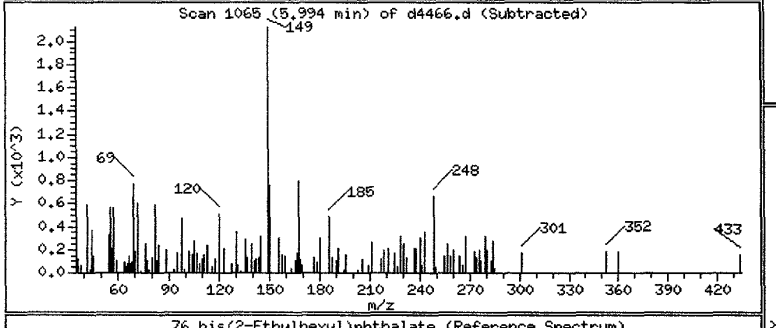
Column diameter: 0.25

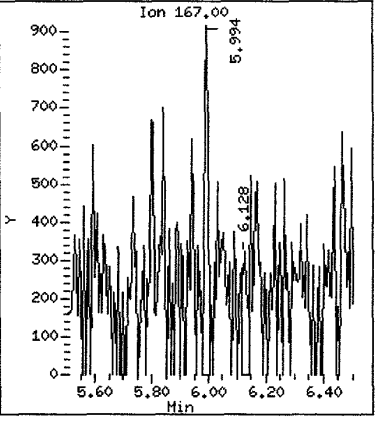
76 bis(2-Ethylhexyl)phthalate

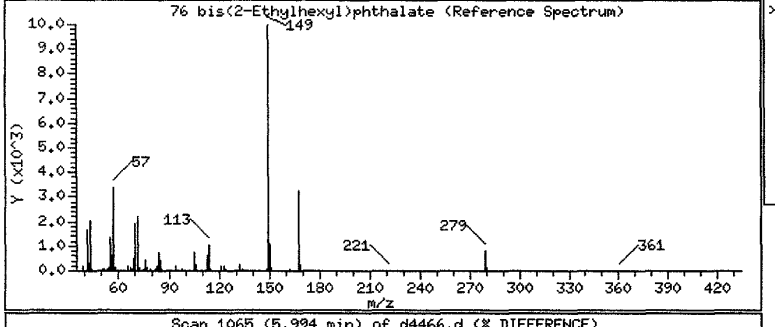
Concentration: 67.6 ug/Kg

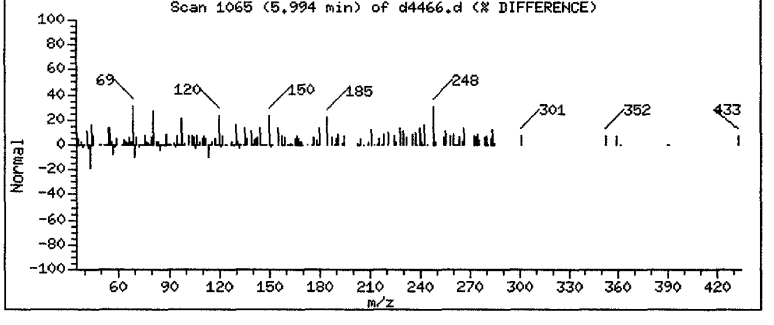












Data File: /var/chem/MSSV5.i/2061211.s.b/d4466.d

Date : 11-DEC-2006 09:43

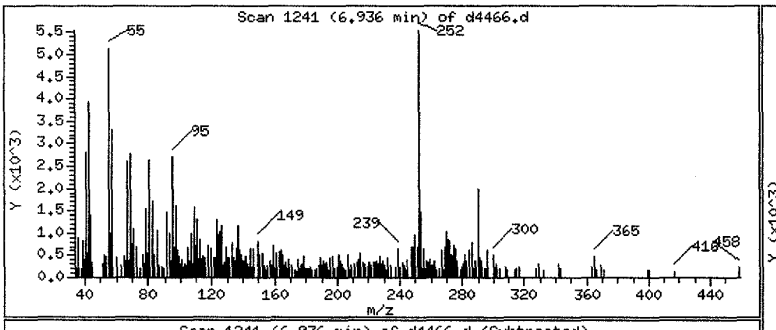
Client ID: 20612072806 Instrument: MSSV5.i

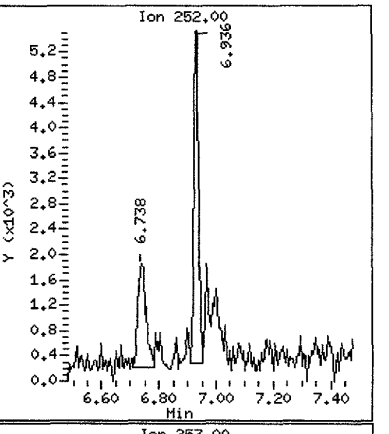
Sample Info: 20612072806*4482*

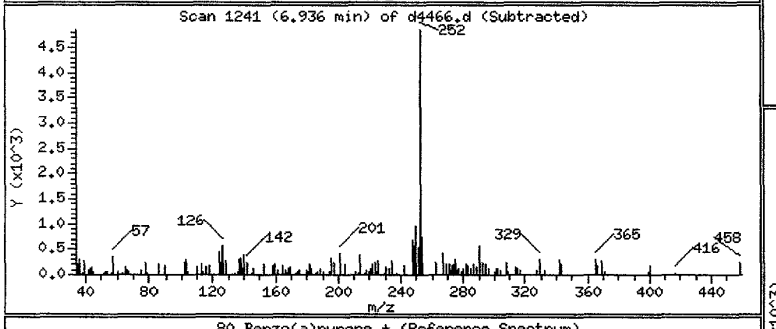
Volume Injected (uL): 1.0 Operator: rrr

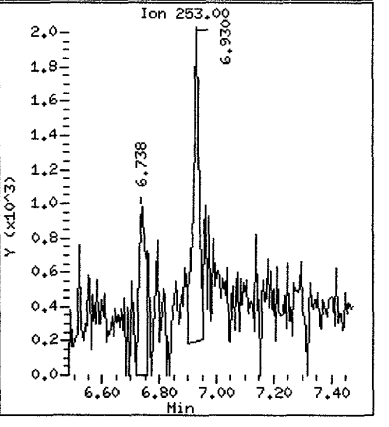
Column phase: RTX-5MS-30M Column diameter: 0.25

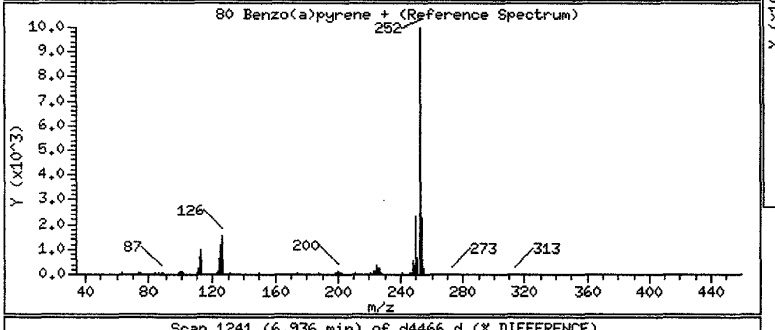
80 Benzo(a)pyrene + Concentration: 151 ug/Kg

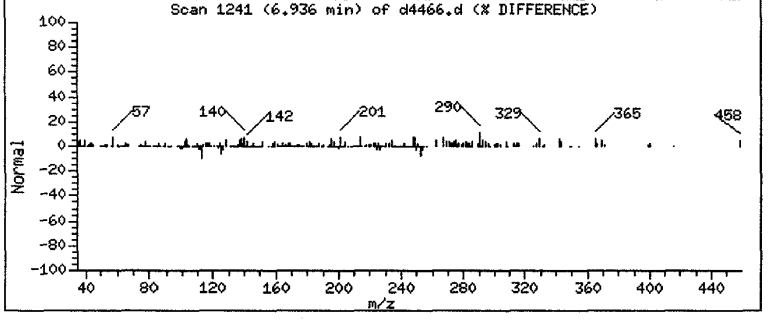












Data File: /var/chem/MSSV5.i/2061211.s.b/d4466.d

Date : 11-DEC-2006 09:43

Client ID: 20612072806

Instrument: MSSV5.i

Sample Info: 20612072806*4482*

Volume Injected (uL): 1.0

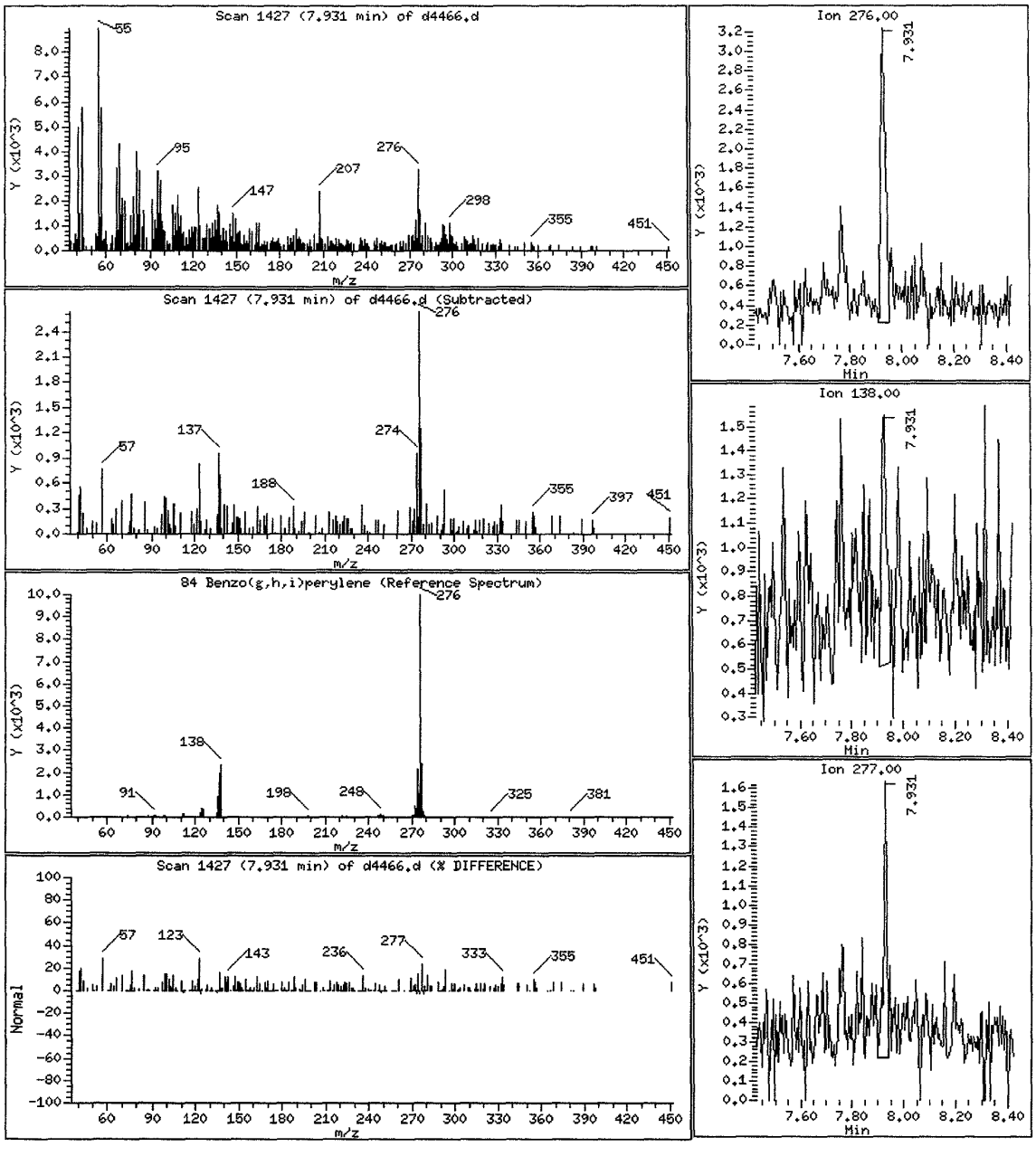
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

84 Benzo(g,h,i)perylene

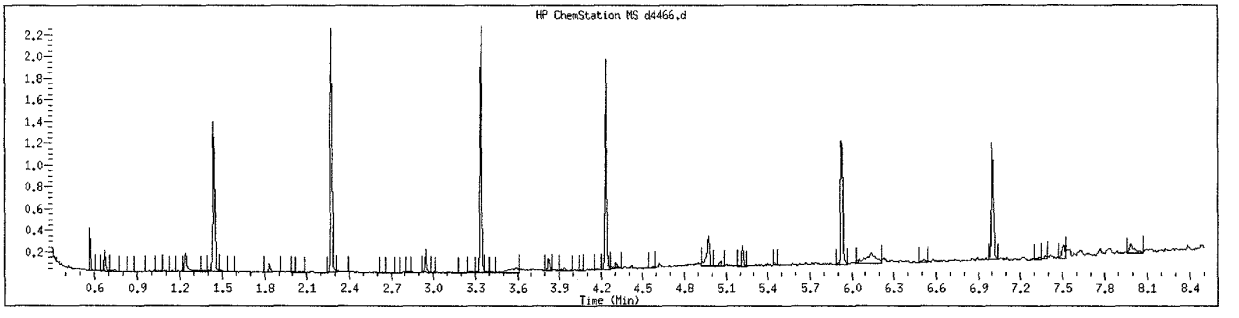
Concentration: 94.2 ug/Kg



Data file : /var/chem/MSSV5.i/2061211.s.b/d4466.d Page: 1
Report Date: 12/11/2006 16:26

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072806 SampleType : SAMPLE
Injection Date: 11-DEC-2006 09:43 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072806*4482*
Misc Info : 20612072806*MSSV~4095~*120728*30.2-1X10*33846
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 10.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 40.3 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: 2WSED5-005 (0-0.5)
Contract:
Lab File ID: 2061211/d4467
Lab Sample ID: 20612072807
Date Collected: 12/06/06 Time: 0820
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0958
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.553	U	0.098	0.553
95-95-4	2,4,5-Trichlorophenol	0.553	U	0.125	0.553
88-06-2	2,4,6-Trichlorophenol	0.553	U	0.096	0.553
120-83-2	2,4-Dichlorophenol	0.553	U	0.416	0.553
51-28-5	2,4-Dinitrophenol	5.61	U	0.318	5.61
121-14-2	2,4-Dinitrotoluene	0.553	U	0.451	0.553
606-20-2	2,6-Dinitrotoluene	0.553	U	0.096	0.553
91-58-7	2-Chloronaphthalene	0.553	U	0.406	0.553
95-57-8	2-Chlorophenol	0.553	U	0.416	0.553
91-57-6	2-Methylnaphthalene	0.553	U	0.119	0.553
88-74-4	2-Nitroaniline	2.80	U	0.127	2.80
88-75-5	2-Nitrophenol	0.553	U	0.161	0.553
91-94-1	3,3'-Dichlorobenzidine	1.01	U	0.938	1.01
99-09-2	3-Nitroaniline	2.80	U	0.110	2.80
534-52-1	2-Methyl-4,6-dinitrophenol	2.80	U	0.209	2.80
59-50-7	4-Chloro-3-methylphenol	0.553	U	0.166	0.553
106-47-8	4-Chloroaniline	0.838	U	0.684	0.838
7005-72-3	4-Chlorophenyl-phenylether	0.553	U	0.078	0.553
83-32-9	Acenaphthene	0.553	U	0.119	0.553
208-96-8	Acenaphthylene	0.139	J	0.121	0.553
98-86-2	Acetophenone	0.553	U	0.137	0.553
62-53-3	Aniline	0.838	U	0.716	0.838
120-12-7	Anthracene	0.553	U	0.083	0.553
1912-24-9	Atrazine (Aatrex)	1.11	U	0.266	1.11
100-52-7	Benzaldehyde	0.553	U	0.441	0.553
92-87-5	Benzidine	5.53	U	5.26	5.53
56-55-3	Benzo(a)anthracene	0.553	U	0.098	0.553
50-32-8	Benzo(a)pyrene	0.553	U	0.132	0.553
205-99-2	Benzo(b)fluoranthene	0.553	U	0.106	0.553

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 40.3 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: 2WSED5-005 (0-0.5)
Contract:
Lab File ID: 2061211/d4467
Lab Sample ID: 20612072807
Date Collected: 12/06/06 Time: 0820
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0958
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.897		0.447	0.553
207-08-9	Benzo(k)fluoranthene	0.553	U	0.149	0.553
65-85-0	Benzoic acid	2.80	U	2.58	2.80
100-51-6	Benzyl alcohol	0.553	U	0.121	0.553
92-52-4	Biphenyl	0.553	U	0.092	0.553
111-91-1	Bis(2-Chloroethoxy)methane	0.553	U	0.086	0.553
111-44-4	Bis(2-Chloroethyl)ether	0.603	U	0.602	0.603
108-60-1	bis(2-Chloroisopropyl)ether	0.553	U	0.545	0.553
117-81-7	bis(2-ethylhexyl)phthalate	0.553	U	0.263	0.553
101-55-3	4-Bromophenyl-phenylether	0.553	U	0.206	0.553
85-68-7	Butylbenzylphthalate	0.553	U	0.127	0.553
105-60-2	Caprolactam	0.553	U	0.164	0.553
86-74-8	Carbazole	0.553	U	0.114	0.553
218-01-9	Chrysene	0.553	U	0.176	0.553
84-74-2	Di-n-butylphthalate	0.553	U	0.111	0.553
117-84-0	Di-n-octylphthalate	0.553	U	0.116	0.553
53-70-3	Dibenz(a,h)anthracene	1.83		0.516	0.553
132-64-9	Dibenzofuran	0.553	U	0.071	0.553
84-66-2	Diethylphthalate	0.553	U	0.091	0.553
131-11-3	Dimethyl-phthalate	0.553	U	0.328	0.553
105-67-9	2,4-Dimethylphenol	0.922	U	0.912	0.922
206-44-0	Fluoranthene	0.553	U	0.147	0.553
86-73-7	Fluorene	0.553	U	0.093	0.553
118-74-1	Hexachlorobenzene	0.553	U	0.161	0.553
77-47-4	Hexachlorocyclopentadiene	0.553	U	0.409	0.553
67-72-1	Hexachloroethane	0.838	U	0.737	0.838
193-39-5	Indeno(1,2,3-cd)pyrene	0.863		0.382	0.553
78-59-1	Isophorone	0.553	U	0.077	0.553
100-01-6	4-Nitroaniline	2.80	U	0.647	2.80

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 40.3 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: 2WSED5-005 (0-0.5)
Contract:
Lab File ID: 2061211/d4467
Lab Sample ID: 20612072807
Date Collected: 12/06/06 Time: 0820
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0958
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.670	U	0.570	0.670
100-02-7	4-Nitrophenol	2.80	U	0.138	2.80
87-86-5	Pentachlorophenol	2.80	U	0.491	2.80
85-01-8	Phenanthrene	0.134	J	0.086	0.553
108-95-2	Phenol	0.553	U	0.115	0.553
129-00-0	Pyrene	0.553	U	0.258	0.553
110-86-1	Pyridine	1.11	U	0.824	1.11
1319-77-3M	m,p-Cresol	0.553	U	0.162	0.553
621-64-7	N-Nitroso-di-n-propylamine	0.553	U	0.125	0.553
62-75-9	N-Nitrosodimethylamine	1.11	U	0.665	1.11
86-30-6	N-Nitrosodiphenylamine	0.553	U	0.183	0.553
95-48-7	o-Cresol	0.553	U	0.282	0.553

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4467.d
Lab Smp Id: 20612072807 Client Smp ID: 20612072807
Inj Date : 11-DEC-2006 09:58
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072807*4482*
Misc Info : 20612072807*MSSV~4095~*120728*30.0-1X10*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 22
Dil Factor: 10.00000
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	10.00000	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	0.672	0.678	(0.468)	41071	9.81528	3270
$ 4	Phenol-d5	99	1.239	1.256	(0.862)	90296	9.38047	3130
* 10	1,4-Dichlorobenzene-d4	152	1.437	1.448	(1.000)	208189	40.0000	
$ 19	Nitrobenzene-d5	82	1.833	1.839	(0.807)	43738	4.81648	1610
* 28	Naphthalene-d8	136	2.272	2.282	(1.000)	809588	40.0000	
$ 37	2-Fluorobiphenyl	172	2.946	2.951	(0.882)	69249	5.45905	1820
42	Acenaphthylene	152	3.256	3.261	(0.974)	3724	0.24812	82.7
* 44	Acenaphthene-d10	164	3.341	3.347	(1.000)	394007	40.0000	
$ 57	2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	15122	8.16453	2720
* 61	Phenanthrene-d10	188	4.235	4.245	(1.000)	537048	40.0000	
62	Phenanthrene	178	4.283	4.261	(1.011)	3980	0.24068	80.2

034506

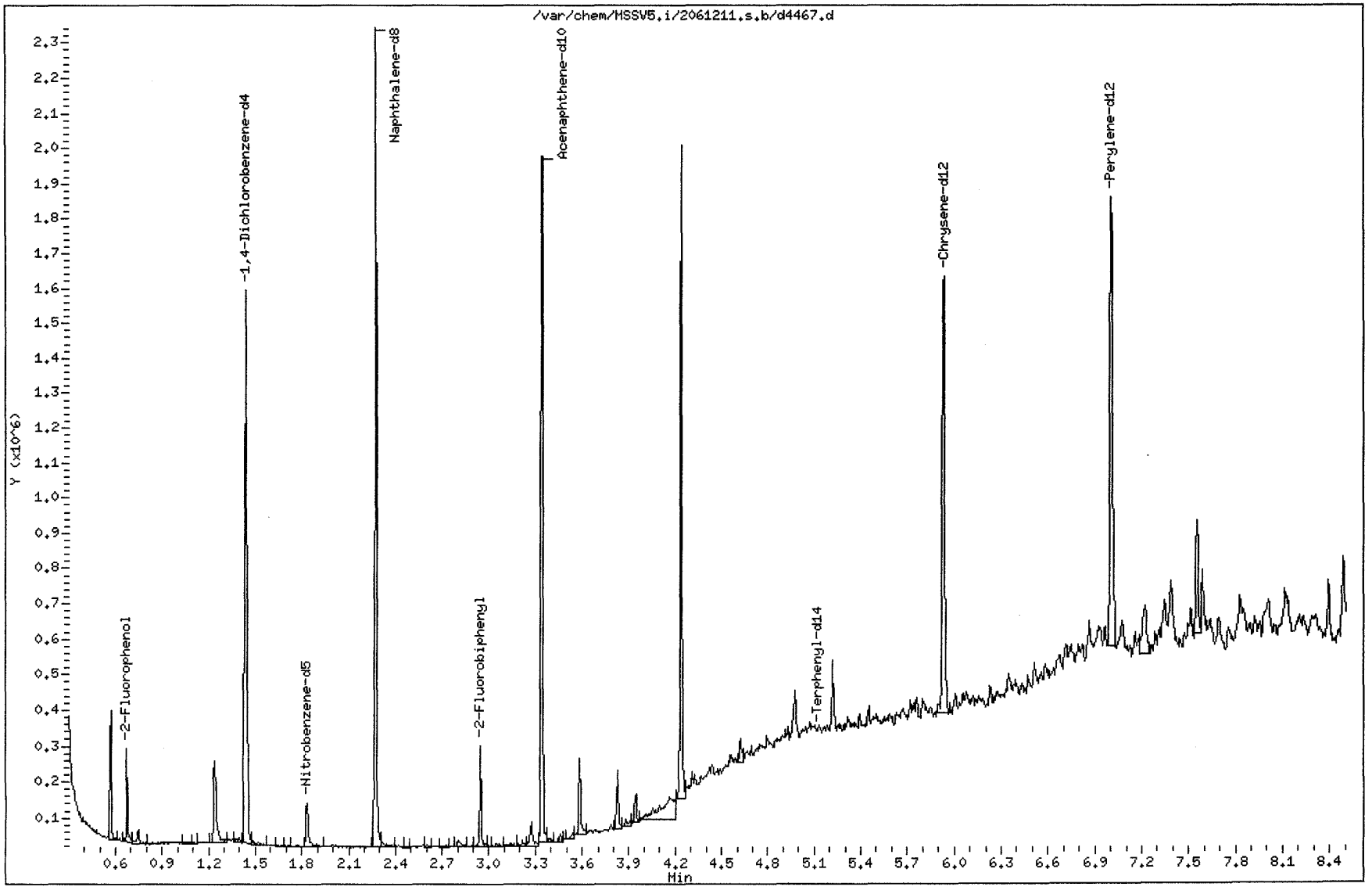
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	46788	4.42366	1470
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	433750	40.0000	
*	81 Perylene-d12	264	7.000	7.016	(1.000)	480337	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.754	7.759	(1.308)	7391	1.54538	515
	83 Dibenzo(a,h)anthracene	278	7.759	7.770	(1.109)	4665	3.27195	1090
	84 Benzo(g,h,i)perylene	276	7.920	7.925	(1.131)	27725	1.60445	535

034507

000123

Data File: /var/chem/MSSV5.i/2061211.s.b/d4467.d
Date : 11-DEC-2006 09:58
Client ID: 20612072807
Sample Info: 20612072807*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



034508

Data File: /var/chem/MSSV5.i/2061211.s.b/d4467.d

Date : 11-DEC-2006 09:58

Client ID: 20612072807

Instrument: MSSV5.i

Sample Info: 20612072807*4482*

Volume Injected (uL): 1.0

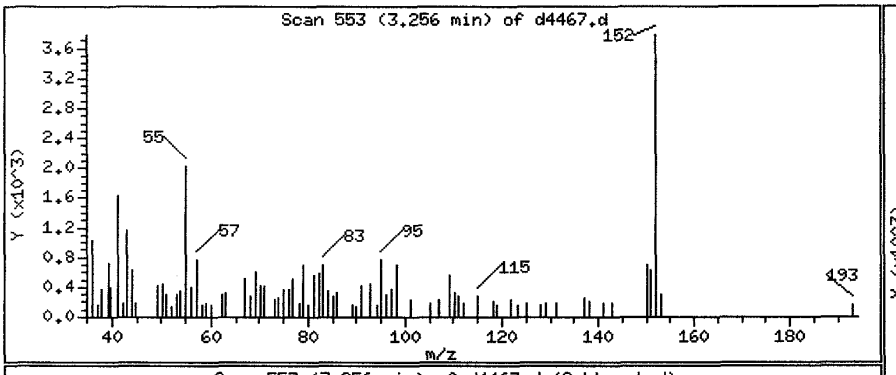
Operator: rrr

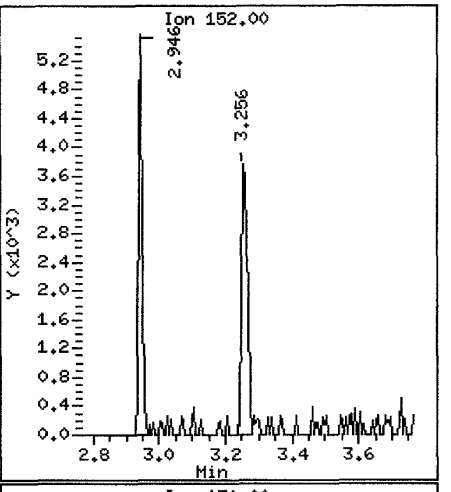
Column phase: RTX-5MS-30M

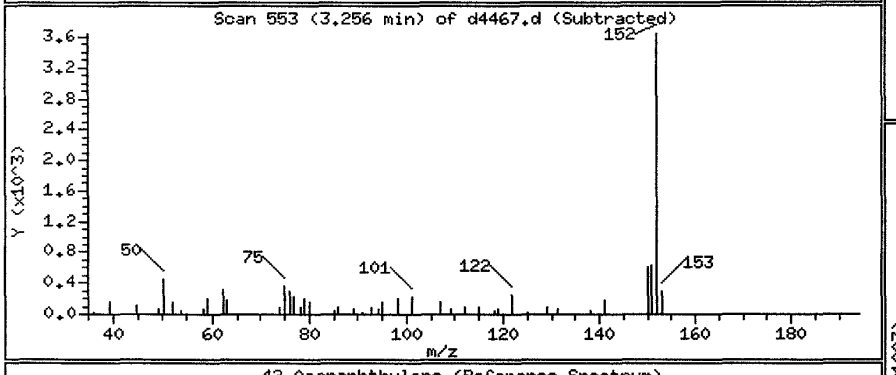
Column diameter: 0.25

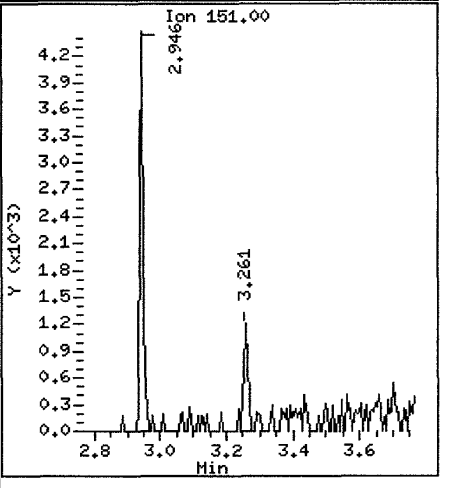
42 Acenaphthylene

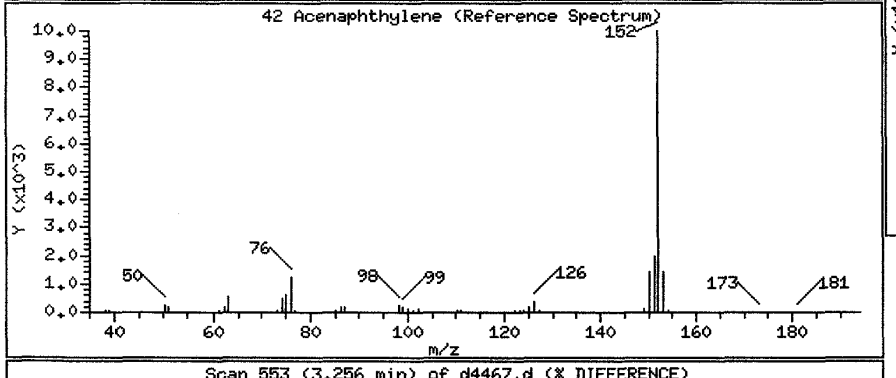
Concentration: 82.7 ug/Kg

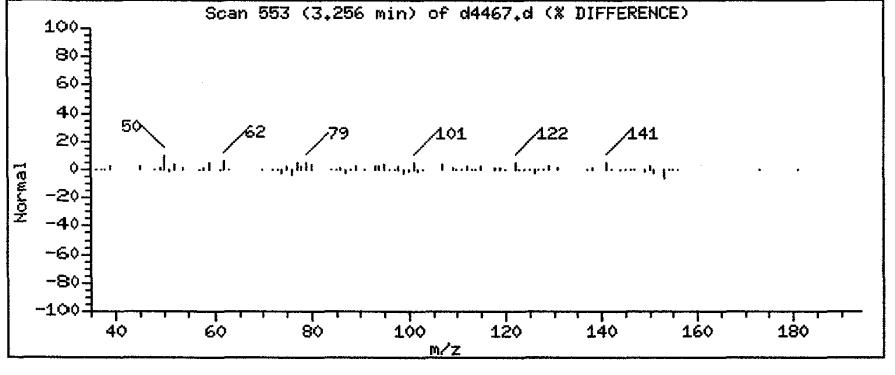












000124

034509

Data File: /var/chem/MSSV5.i/2061211.s.b/d4467.d

Date : 11-DEC-2006 09:58

Client ID: 20612072807

Instrument: MSSV5.i

Sample Info: 20612072807*4482*

Volume Injected (uL): 1.0

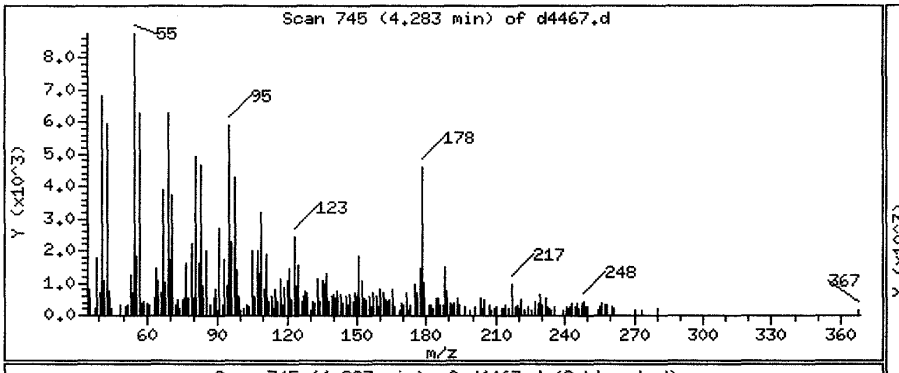
Operator: rrr

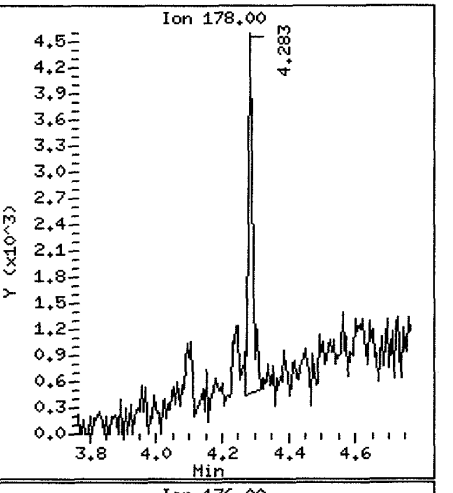
Column phase: RTX-5MS-30M

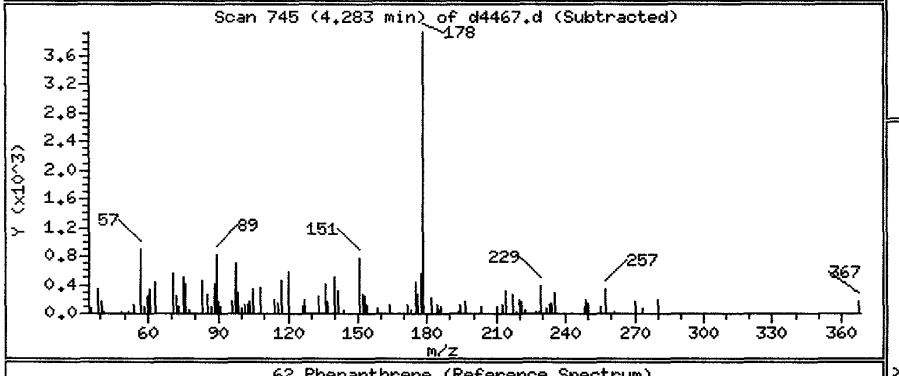
Column diameter: 0.25

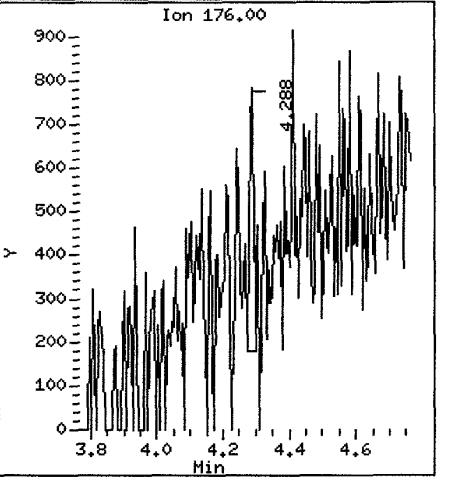
62 Phenanthrene

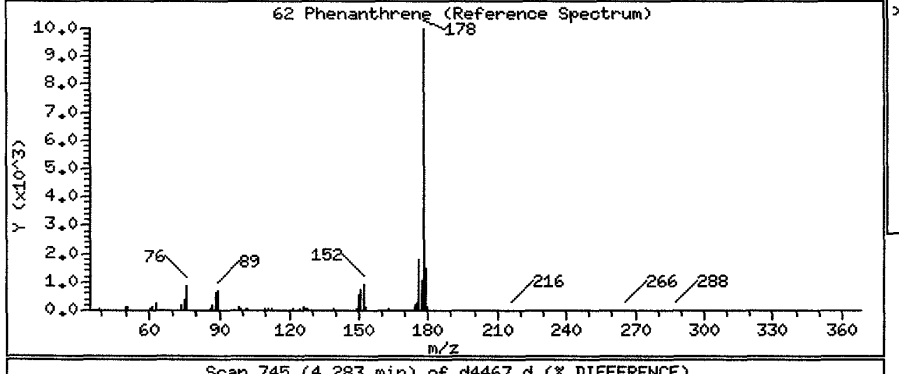
Concentration: 80.2 ug/Kg

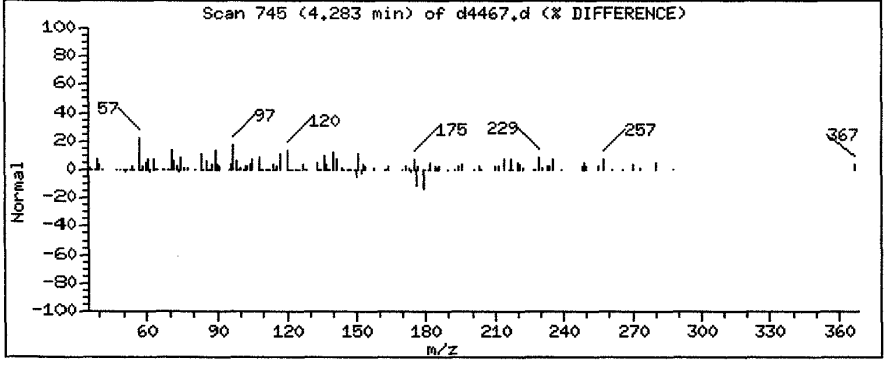












034510

Data File: /var/chem/MSSV5.i/2061211.s.b/d4467.d

Date : 11-DEC-2006 09:58

Client ID: 20612072807

Instrument: MSSV5.i

Sample Info: 20612072807*4482*

Volume Injected (uL): 1.0

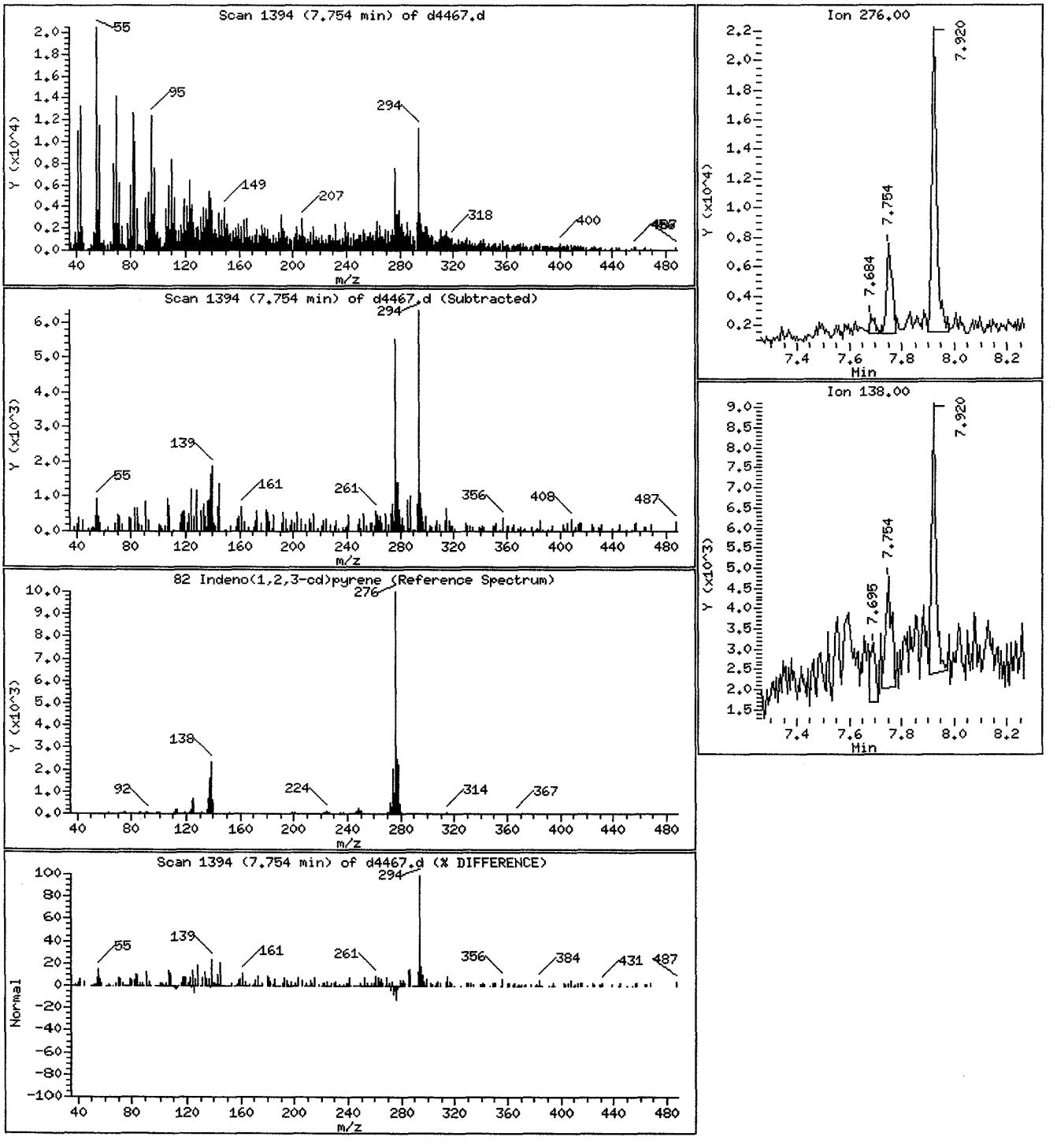
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

82 Indeno(1,2,3-cd)pyrene

Concentration: 515 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4467.d

Date : 11-DEC-2006 09:58

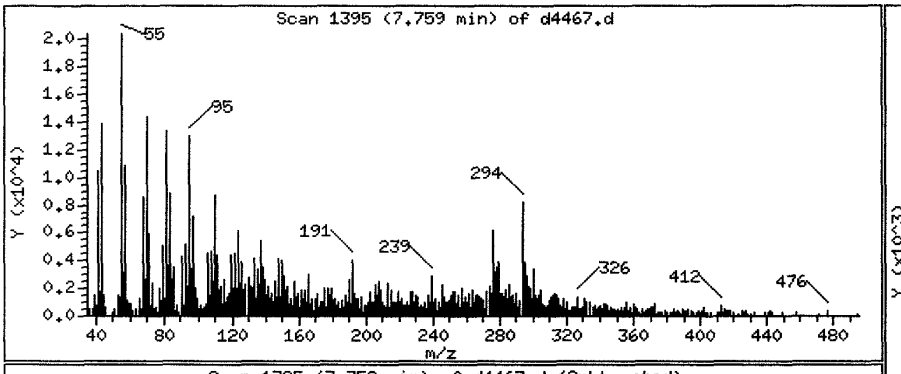
Client ID: 20612072807 Instrument: MSSV5.i

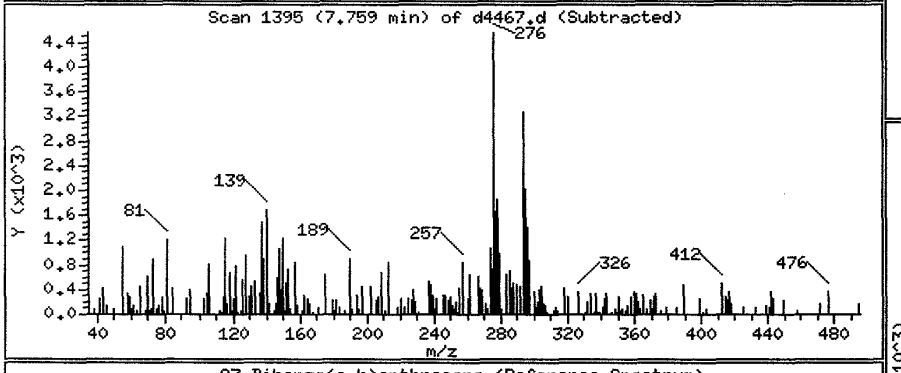
Sample Info: 20612072807*4482*

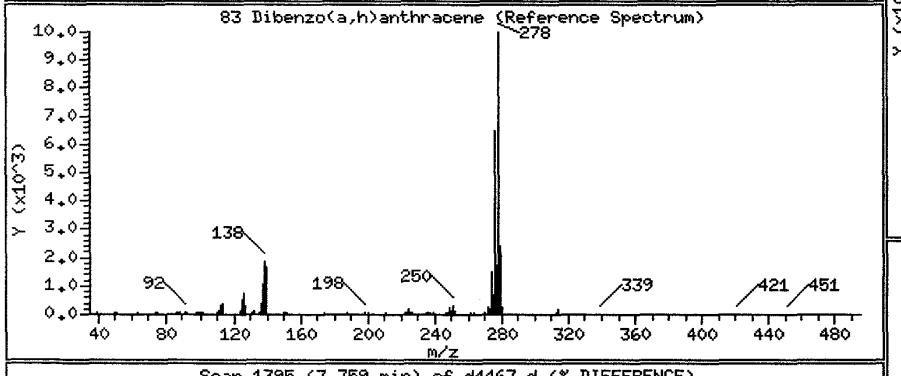
Volume Injected (uL): 1.0 Operator: rrr

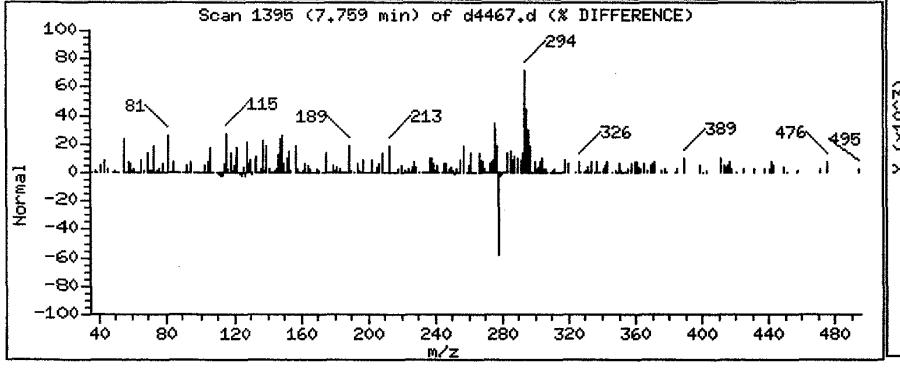
Column phase: RTX-5MS-30M Column diameter: 0.25

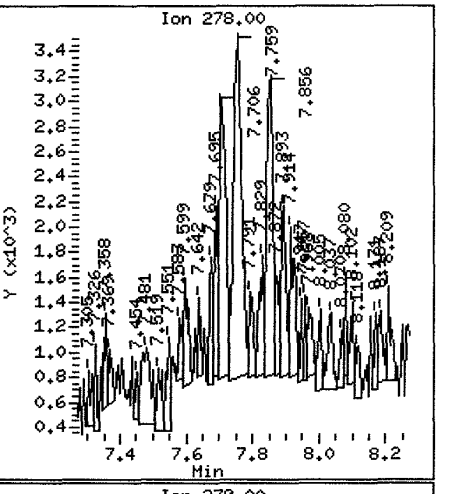
83 Dibenzo(a,h)anthracene Concentration: 1090 ug/Kg

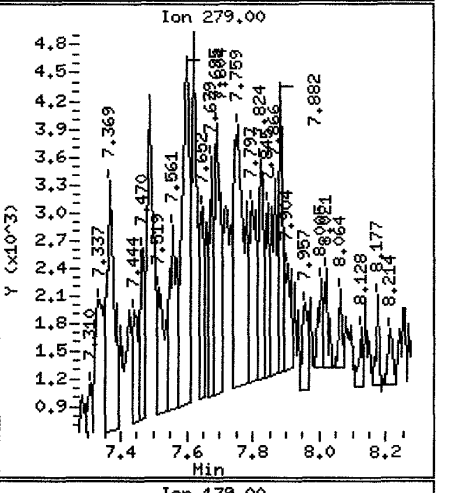


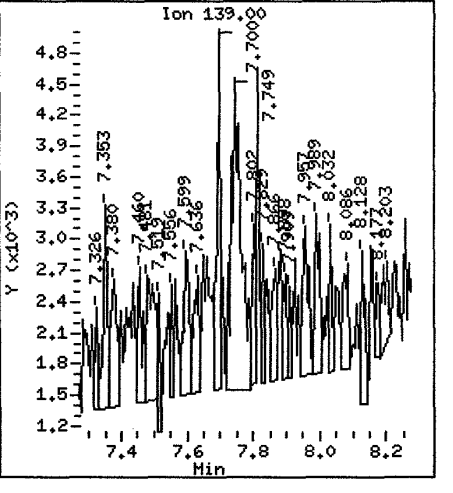












Data File: /var/chem/MSSV5.i/2061211.s.b/d4467.d

Date : 11-DEC-2006 09:58

Client ID: 20612072807

Instrument: MSSV5.i

Sample Info: 20612072807*4482*

Volume Injected (uL): 1.0

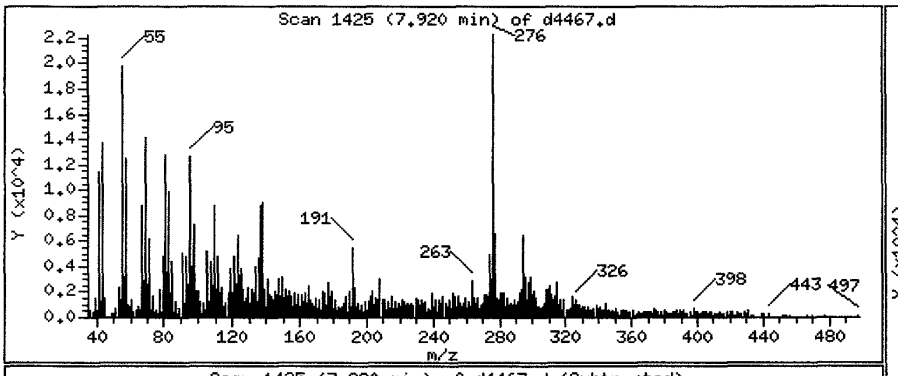
Operator: rrr

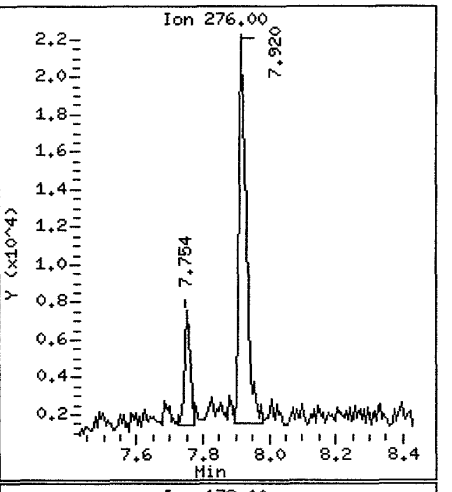
Column phase: RTX-5MS-30M

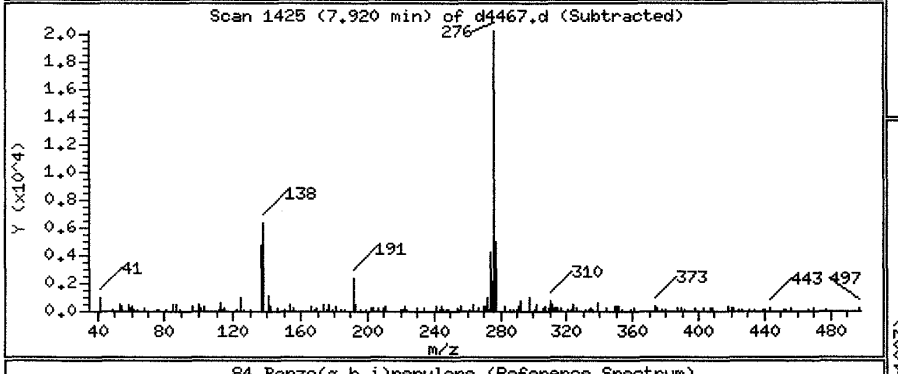
Column diameter: 0.25

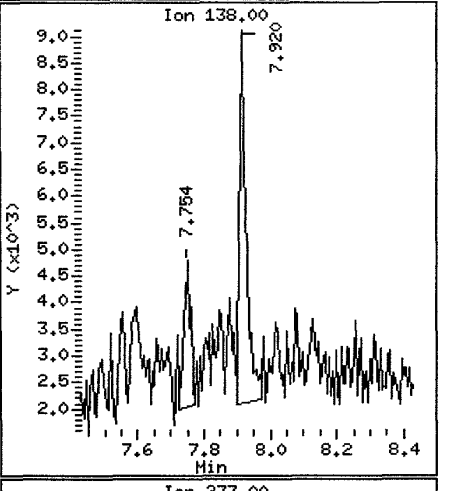
84 Benzo(g,h,i)perylene

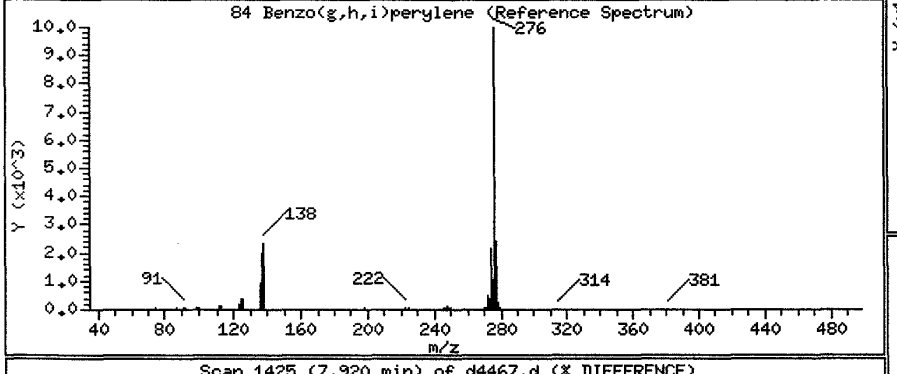
Concentration: 535 ug/Kg

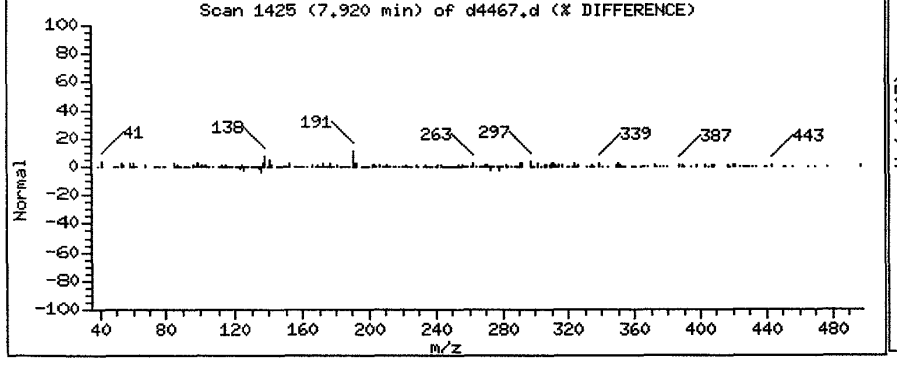


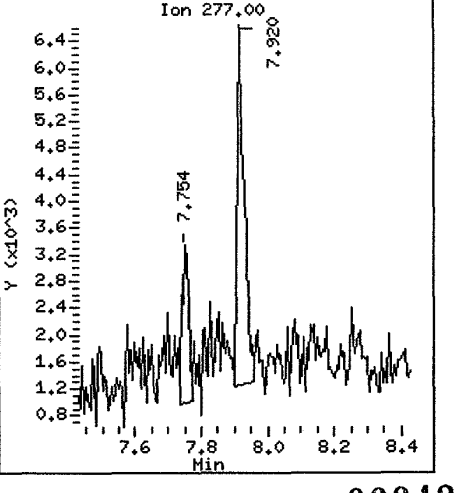










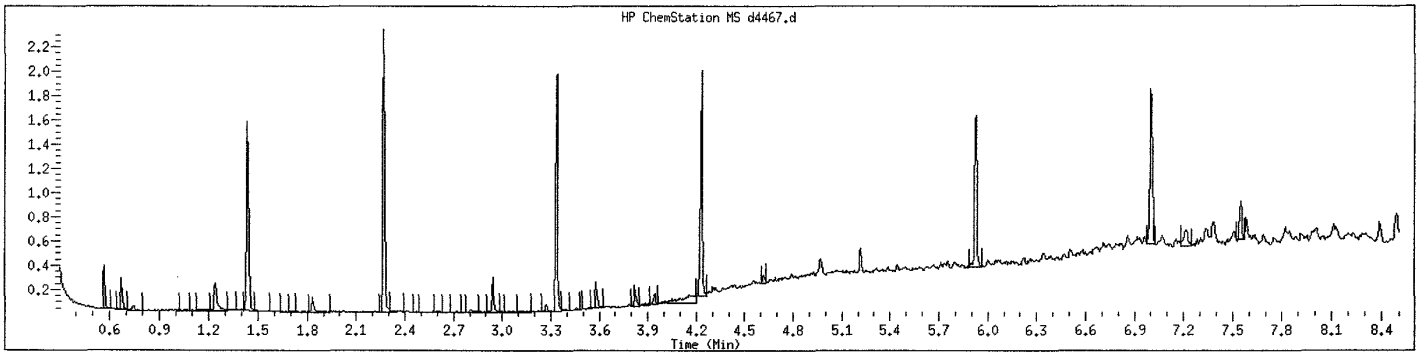


000128

034513

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072807	SampleType	: SAMPLE
Injection Date	: 11-DEC-2006 09:58	Instrument	: MSSV5.i
Operator	: rrr		
Sample Info	: 20612072807*4482*		
Misc Info	: 20612072807*MSSV~4095~*120728*30.0-1X10*338464*		
Method	: /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m		
Dilution	: 10.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



NO MANUAL INTEGRATIONS

034514

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 36.2 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: 2WSED6-006 (0-0.5)
Contract:
Lab File ID: 2061211/d4468
Lab Sample ID: 20612072808
Date Collected: 12/06/06 Time: 0825
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1013
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.512	U	0.091	0.512
95-95-4	2,4,5-Trichlorophenol	0.512	U	0.116	0.512
88-06-2	2,4,6-Trichlorophenol	0.512	U	0.089	0.512
120-83-2	2,4-Dichlorophenol	0.512	U	0.385	0.512
51-28-5	2,4-Dinitrophenol	5.20	U	0.295	5.20
121-14-2	2,4-Dinitrotoluene	0.512	U	0.417	0.512
606-20-2	2,6-Dinitrotoluene	0.512	U	0.088	0.512
91-58-7	2-Chloronaphthalene	0.512	U	0.376	0.512
95-57-8	2-Chlorophenol	0.512	U	0.385	0.512
91-57-6	2-Methylnaphthalene	0.512	U	0.110	0.512
88-74-4	2-Nitroaniline	2.59	U	0.117	2.59
88-75-5	2-Nitrophenol	0.512	U	0.149	0.512
91-94-1	3,3'-Dichlorobenzidine	0.931	U	0.869	0.931
99-09-2	3-Nitroaniline	2.59	U	0.102	2.59
534-52-1	2-Methyl-4,6-dinitrophenol	2.59	U	0.194	2.59
59-50-7	4-Chloro-3-methylphenol	0.512	U	0.154	0.512
106-47-8	4-Chloroaniline	0.776	U	0.633	0.776
7005-72-3	4-Chlorophenyl-phenylether	0.512	U	0.072	0.512
83-32-9	Acenaphthene	0.512	U	0.110	0.512
208-96-8	Acenaphthylene	0.512	U	0.112	0.512
98-86-2	Acetophenone	0.512	U	0.127	0.512
62-53-3	Aniline	0.776	U	0.663	0.776
120-12-7	Anthracene	0.512	U	0.077	0.512
1912-24-9	Atrazine (Aatrex)	1.02	U	0.247	1.02
100-52-7	Benzaldehyde	0.512	U	0.408	0.512
92-87-5	Benzidine	5.12	U	4.87	5.12
56-55-3	Benzo(a)anthracene	0.512	U	0.091	0.512
50-32-8	Benzo(a)pyrene	0.512	U	0.122	0.512
205-99-2	Benzo(b)fluoranthene	0.512	U	0.098	0.512

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 36.2 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: 2WSED6-006 (0-0.5)
Contract:
Lab File ID: 2061211/d4468
Lab Sample ID: 20612072808
Date Collected: 12/06/06 Time: 0825
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1013
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.749		0.414	0.512
207-08-9	Benzo(k)fluoranthene	0.512	U	0.138	0.512
65-85-0	Benzoic acid	2.59	U	2.39	2.59
100-51-6	Benzyl alcohol	0.512	U	0.112	0.512
92-52-4	Biphenyl	0.512	U	0.086	0.512
111-91-1	Bis(2-Chloroethoxy)methane	0.512	U	0.080	0.512
111-44-4	Bis(2-Chloroethyl)ether	0.559	U	0.557	0.559
108-60-1	bis(2-Chloroisopropyl)ether	0.512	U	0.504	0.512
117-81-7	bis(2-ethylhexyl)phthalate	0.512	U	0.244	0.512
101-55-3	4-Bromophenyl-phenylether	0.512	U	0.191	0.512
85-68-7	Butylbenzylphthalate	0.512	U	0.118	0.512
105-60-2	Caprolactam	0.512	U	0.152	0.512
86-74-8	Carbazole	0.512	U	0.106	0.512
218-01-9	Chrysene	0.512	U	0.163	0.512
84-74-2	Di-n-butylphthalate	0.512	U	0.103	0.512
117-84-0	Di-n-octylphthalate	0.512	U	0.107	0.512
53-70-3	Dibenz(a,h)anthracene	0.512	U	0.478	0.512
132-64-9	Dibenzofuran	0.512	U	0.066	0.512
84-66-2	Diethylphthalate	0.512	U	0.084	0.512
131-11-3	Dimethyl-phthalate	0.512	U	0.304	0.512
105-67-9	2,4-Dimethylphenol	0.854	U	0.844	0.854
206-44-0	Fluoranthene	0.512	U	0.136	0.512
86-73-7	Fluorene	0.512	U	0.086	0.512
118-74-1	Hexachlorobenzene	0.512	U	0.149	0.512
77-47-4	Hexachlorocyclopentadiene	0.512	U	0.379	0.512
67-72-1	Hexachloroethane	0.776	U	0.683	0.776
193-39-5	Indeno(1,2,3-cd)pyrene	0.512	U	0.354	0.512
78-59-1	Isophorone	0.512	U	0.071	0.512
100-01-6	4-Nitroaniline	2.59	U	0.599	2.59

034516

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 36.2 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: 2WSED6-006 (0-0.5)
Contract:
Lab File ID: 2061211/d4468
Lab Sample ID: 20612072808
Date Collected: 12/06/06 Time: 0825
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1013
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.621	U	0.528	0.621
100-02-7	4-Nitrophenol	2.59	U	0.128	2.59
87-86-5	Pentachlorophenol	2.59	U	0.455	2.59
85-01-8	Phenanthrene	0.512	U	0.080	0.512
108-95-2	Phenol	0.512	U	0.106	0.512
129-00-0	Pyrene	0.512	U	0.239	0.512
110-86-1	Pyridine	1.02	U	0.764	1.02
1319-77-3M	m,p-Cresol	0.512	U	0.150	0.512
621-64-7	N-Nitroso-di-n-propylamine	0.512	U	0.116	0.512
62-75-9	N-Nitrosodimethylamine	1.02	U	0.616	1.02
86-30-6	N-Nitrosodiphenylamine	0.512	U	0.169	0.512
95-48-7	o-Cresol	0.512	U	0.261	0.512

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4468.d
Lab Smp Id: 20612072808 Client Smp ID: 20612072808
Inj Date : 11-DEC-2006 10:13
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072808*4482*
Misc Info : 20612072808*MSSV~4095~*120728*30.3-1X10*33846
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 23
Dil Factor: 10.00000
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	10.00000	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)
$	3 2-Fluorophenol	112	0.672	0.678	(0.468)	41230	9.53413	3180
$	4 Phenol-d5	99	1.239	1.256	(0.862)	95887	9.63865	3210
*	10 1,4-Dichlorobenzene-d4	152	1.437	1.448	(1.000)	215158	40.0000	
$	19 Nitrobenzene-d5	82	1.833	1.839	(0.807)	43951	4.62754	1540
*	28 Naphthalene-d8	136	2.272	2.282	(1.000)	846747	40.0000	
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	66232	4.95193	1650
*	44 Acenaphthene-d10	164	3.341	3.347	(1.000)	415433	40.0000	
$	57 2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	15671	8.02457	2670
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	580336	40.0000	
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	50799	4.68113	1560
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	445032	40.0000	

034518

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	7.005	7.016	(1.000)	471901	40.0000	
84 Benzo(g,h,i)perylene	276	7.925	7.925	(1.131)	24364	1.43515	478

034519

Data File: /var/chem/MSSV5.i/2061211.s.b/d4468.d

Date : 11-DEC-2006 10:13

Client ID: 20612072808

Instrument: MSSV5.i

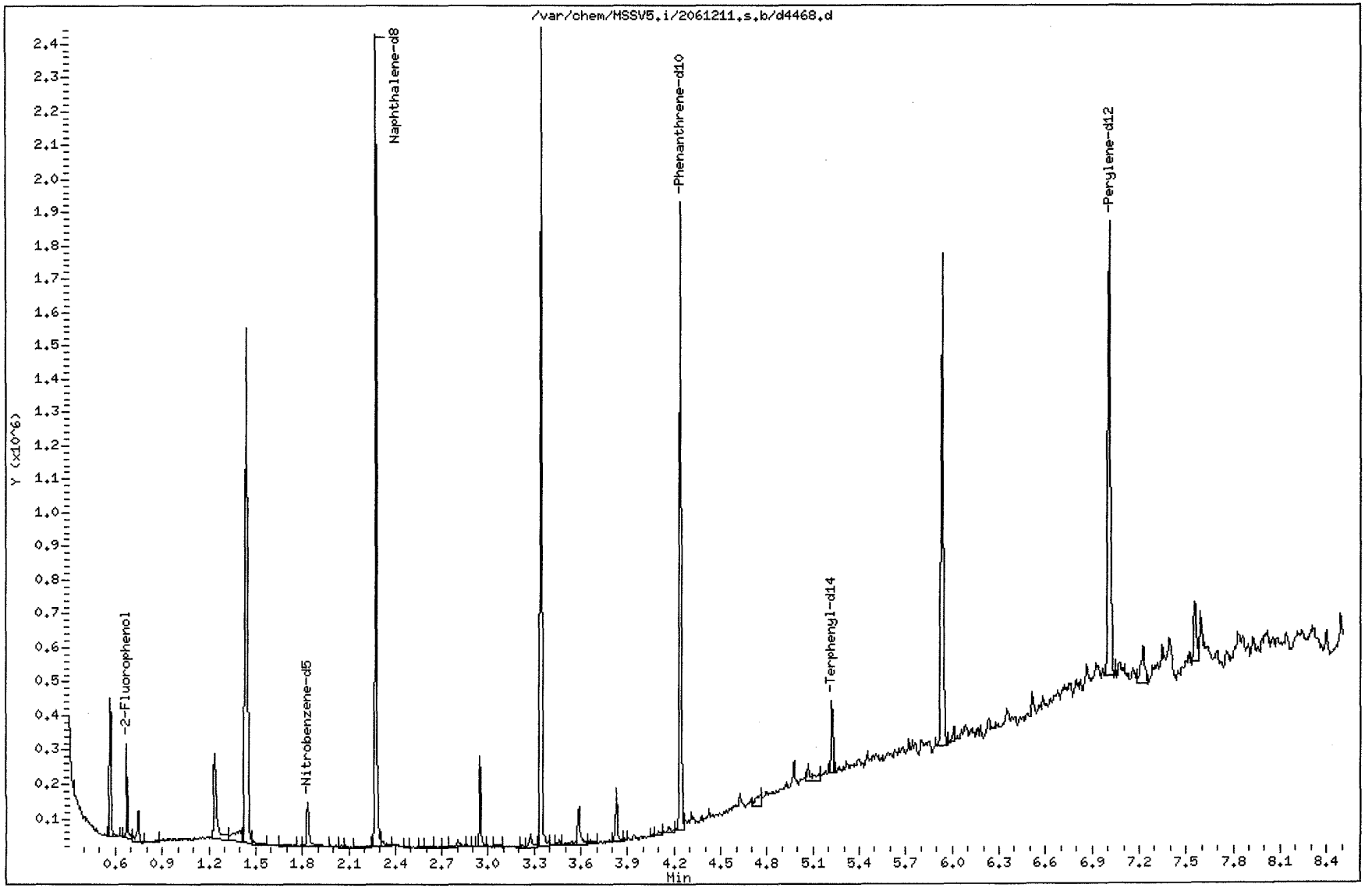
Sample Info: 20612072808*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2061211.s.b/d4468.d

Date : 11-DEC-2006 10:13

Client ID: 20612072808

Instrument: MSSV5.i

Sample Info: 20612072808*4482*

Volume Injected (uL): 1.0

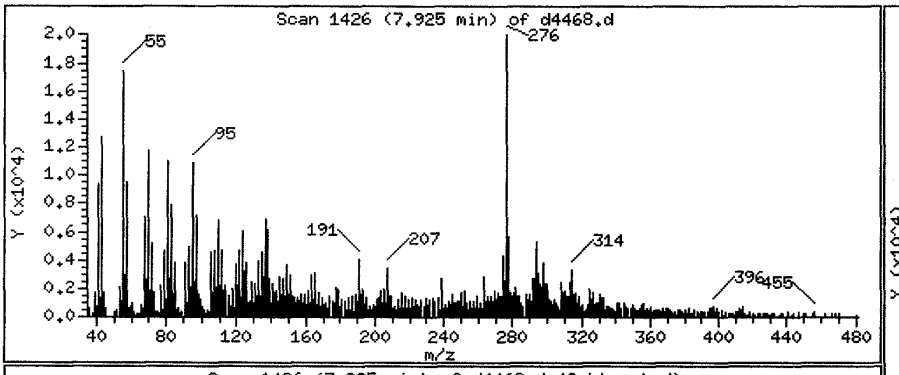
Operator: rrr

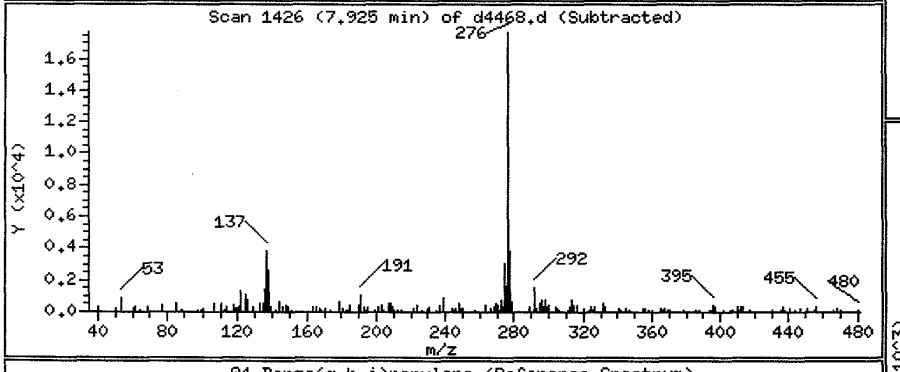
Column phase: RTX-5MS-30M

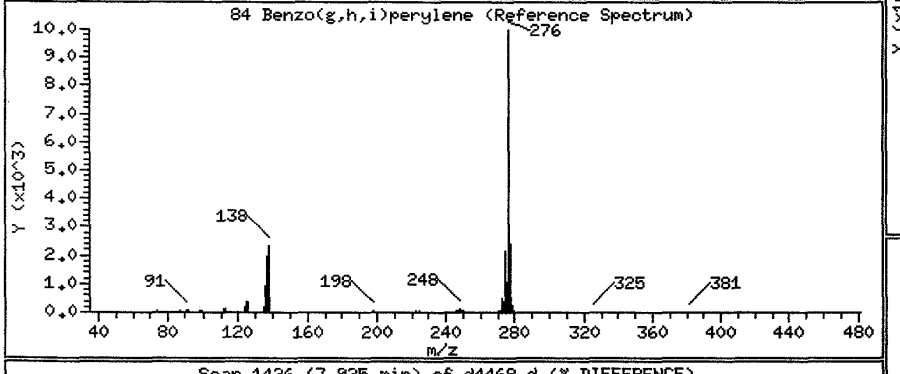
Column diameter: 0.25

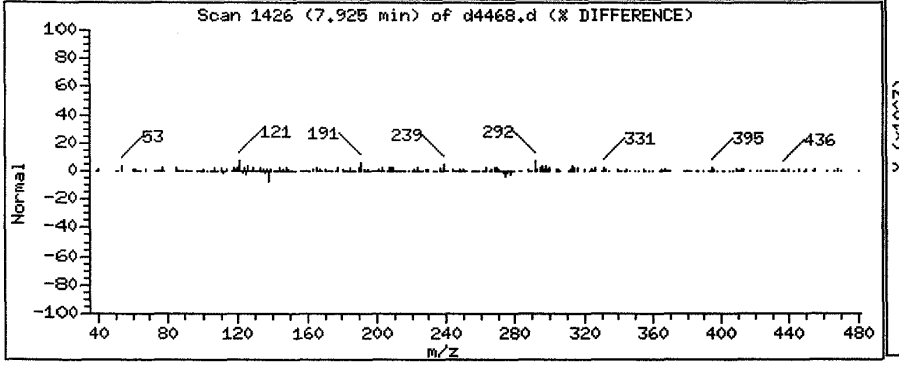
84 Benzo(g,h,i)perylene

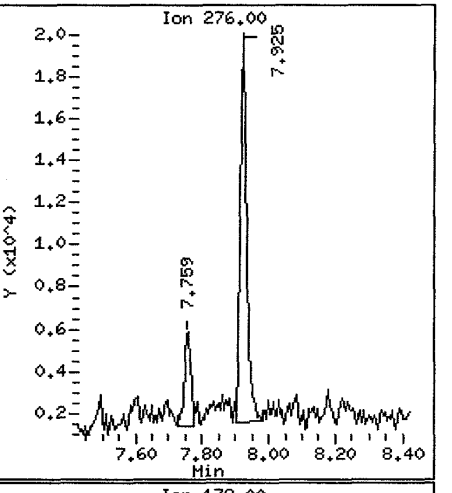
Concentration: 478 ug/Kg

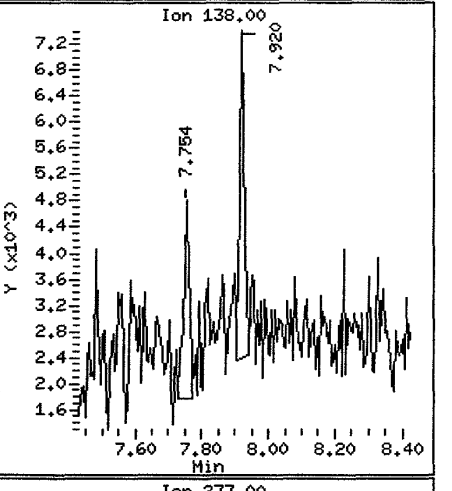


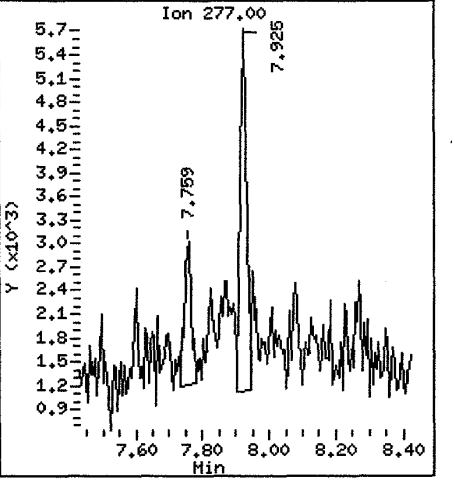






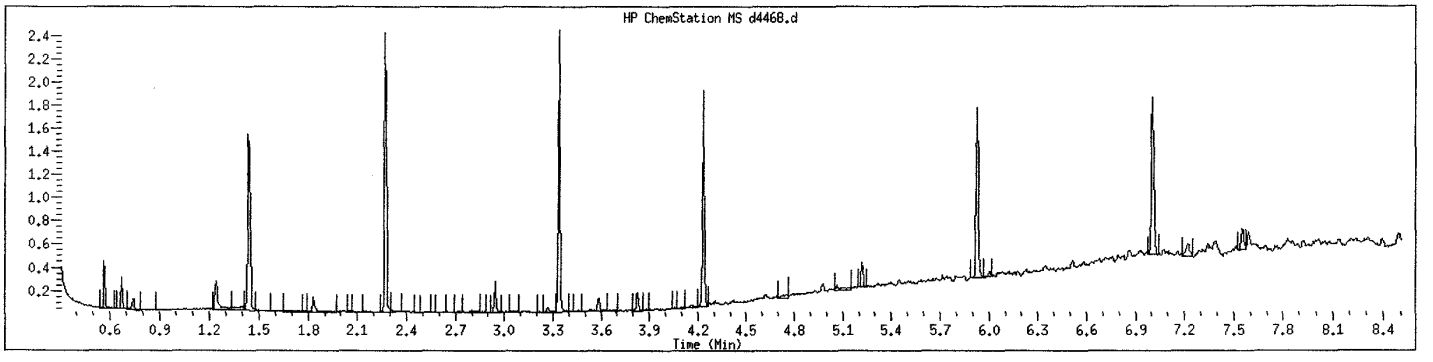






MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072808	SampleType	: SAMPLE
Injection Date	: 11-DEC-2006 10:13	Instrument	: MSSV5.i
Operator	: rrr		
Sample Info	: 20612072808*4482*		
Misc Info	: 20612072808*MSSV~4095~*120728*30.3-1X10*33846		
Method	: /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m		
Dilution	: 10.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



NO MANUAL INTEGRATIONS

034522

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 17.5 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: 2WSED9-009 (0-0.5)
Contract:
Lab File ID: 2061211/d4469
Lab Sample ID: 20612072809
Date Collected: 12/06/06 Time: 1020
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1028
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.396	U	0.00701	0.396
95-95-4	2,4,5-Trichlorophenol	0.396	U	0.00898	0.396
88-06-2	2,4,6-Trichlorophenol	0.396	U	0.00686	0.396
120-83-2	2,4-Dichlorophenol	0.396	U	0.030	0.396
51-28-5	2,4-Dinitrophenol	2.01	U	0.023	2.01
121-14-2	2,4-Dinitrotoluene	0.396	U	0.032	0.396
606-20-2	2,6-Dinitrotoluene	0.396	U	0.00684	0.396
91-58-7	2-Chloronaphthalene	0.396	U	0.029	0.396
95-57-8	2-Chlorophenol	0.396	U	0.030	0.396
91-57-6	2-Methylnaphthalene	0.079	U	0.00855	0.079
88-74-4	2-Nitroaniline	2.01	U	0.00907	2.01
88-75-5	2-Nitrophenol	0.396	U	0.012	0.396
91-94-1	3,3'-Dichlorobenzidine	0.792	U	0.067	0.792
99-09-2	3-Nitroaniline	2.01	U	0.00791	2.01
534-52-1	2-Methyl-4,6-dinitrophenol	2.01	U	0.015	2.01
59-50-7	4-Chloro-3-methylphenol	0.396	U	0.012	0.396
106-47-8	4-Chloroaniline	0.396	U	0.049	0.396
7005-72-3	4-Chlorophenyl-phenylether	0.396	U	0.00558	0.396
83-32-9	Acenaphthene	0.079	U	0.00855	0.079
208-96-8	Acenaphthylene	0.079	U	0.00865	0.079
98-86-2	Acetophenone	0.396	U	0.00982	0.396
62-53-3	Aniline	0.396	U	0.051	0.396
120-12-7	Anthracene	0.00838	J	0.00596	0.079
1912-24-9	Atrazine (Aatrex)	0.792	U	0.019	0.792
100-52-7	Benzaldehyde	0.792	U	0.032	0.792
92-87-5	Benzidine	1.58	U	0.377	1.58
56-55-3	Benzo(a)anthracene	0.079	U	0.00701	0.079
50-32-8	Benzo(a)pyrene	0.079	U	0.00943	0.079
205-99-2	Benzo(b)fluoranthene	0.396	U	0.00758	0.396

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 17.5 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: 2WSED9-009 (0-0.5)
Contract:
Lab File ID: 2061211/d4469
Lab Sample ID: 20612072809
Date Collected: 12/06/06 Time: 1020
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1028
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.044	J	0.032	0.396
207-08-9	Benzo(k)fluoranthene	0.396	U	0.011	0.396
65-85-0	Benzoic acid	2.01	U	0.185	2.01
100-51-6	Benzyl alcohol	0.396	U	0.00869	0.396
92-52-4	Biphenyl	0.396	U	0.00662	0.396
111-91-1	Bis(2-Chloroethoxy)methane	0.396	U	0.00616	0.396
111-44-4	Bis(2-Chloroethyl)ether	0.396	U	0.043	0.396
108-60-1	bis(2-Chloroisopropyl)ether	0.396	U	0.039	0.396
117-81-7	bis(2-ethylhexyl)phthalate	0.079	U	0.019	0.079
101-55-3	4-Bromophenyl-phenylether	0.396	U	0.015	0.396
85-68-7	Butylbenzylphthalate	0.396	U	0.00913	0.396
105-60-2	Caprolactam	0.396	U	0.012	0.396
86-74-8	Carbazole	0.396	U	0.00816	0.396
218-01-9	Chrysene	0.017	J	0.013	0.396
84-74-2	Di-n-butylphthalate	0.396	U	0.00797	0.396
117-84-0	Di-n-octylphthalate	0.396	U	0.00831	0.396
53-70-3	Dibenz(a,h)anthracene	0.129		0.037	0.079
132-64-9	Dibenzofuran	0.396	U	0.00509	0.396
84-66-2	Diethylphthalate	0.396	U	0.00651	0.396
131-11-3	Dimethyl-phthalate	0.396	U	0.024	0.396
105-67-9	2,4-Dimethylphenol	0.396	U	0.065	0.396
206-44-0	Fluoranthene	0.012	J	0.011	0.396
86-73-7	Fluorene	0.079	U	0.00666	0.079
118-74-1	Hexachlorobenzene	0.396	U	0.012	0.396
77-47-4	Hexachlorocyclopentadiene	0.396	U	0.029	0.396
67-72-1	Hexachloroethane	0.396	U	0.053	0.396
193-39-5	Indeno(1,2,3-cd)pyrene	0.063	J	0.027	0.396
78-59-1	Isophorone	0.396	U	0.00552	0.396
100-01-6	4-Nitroaniline	2.01	U	0.046	2.01

034524

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 17.5 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: 2WSED9-009 (0-0.5)
Contract:
Lab File ID: 2061211/d4469
Lab Sample ID: 20612072809
Date Collected: 12/06/06 Time: 1020
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1028
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.396	U	0.041	0.396
100-02-7	4-Nitrophenol	2.01	U	0.00992	2.01
87-86-5	Pentachlorophenol	2.01	U	0.035	2.01
85-01-8	Phenanthrene	0.079	U	0.00620	0.079
108-95-2	Phenol	0.396	U	0.00821	0.396
129-00-0	Pyrene	0.396	U	0.018	0.396
110-86-1	Pyridine	0.396	U	0.059	0.396
1319-77-3M	m,p-Cresol	0.396	U	0.012	0.396
621-64-7	N-Nitroso-di-n-propylamine	0.079	U	0.00898	0.079
62-75-9	N-Nitrosodimethylamine	0.396	U	0.048	0.396
86-30-6	N-Nitrosodiphenylamine	0.396	U	0.013	0.396
95-48-7	o-Cresol	0.396	U	0.020	0.396

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4469.d
Lab Smp Id: 20612072809 Client Smp ID: 20612072809
Inj Date : 11-DEC-2006 10:28
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072809*4482*
Misc Info : 20612072809*MSSV~4095~*120728*30.3-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 24
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	0.678	0.678	(0.470)	360243	74.7429	2470
$ 4 Phenol-d5	99	1.234	1.256	(0.855)	816929	73.6796	2430
* 10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	239801	40.0000	
$ 19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	411536	41.4868	1370
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	884368	40.0000	
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.883)	549977	43.4819	1440
* 44 Acenaphthene-d10	164	3.336	3.347	(1.000)	392865	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.823	3.834	(1.146)	133493	72.2838	2390
* 61 Phenanthrene-d10	188	4.235	4.245	(1.000)	512454	40.0000	
63 Anthracene	178	4.283	4.288	(1.011)	3335	0.20945	6.91(H)
67 Fluoranthene +	202	4.973	4.978	(1.174)	4522	0.30873	10.2

034526

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	69 Pyrene	202	5.101	5.112	(0.860)	4387	0.24548	8.10
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	402468	36.8181	1220
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	448288	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.011)	4562	0.45270	14.9
	75 Chrysene	228	5.941	5.962	(1.002)	6281	0.43778	14.4(M1)
	80 Benzo(a)pyrene +	252	6.968	6.979	(0.995)	3971	0.23289	7.69
*	81 Perylene-d12	264	7.005	7.016	(1.000)	500945	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.754	7.759	(1.308)	8108	1.57377	51.9(H)
	83 Dibenzo(a,h)anthracene	278	7.759	7.770	(1.108)	3505	3.20651	106
	84 Benzo(g,h,i)perylene	276	7.920	7.925	(1.131)	19856	1.10180	36.4

QC Flag Legend

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

034527

Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

Client ID: 20612072809

Sample Info: 20612072809x4482x

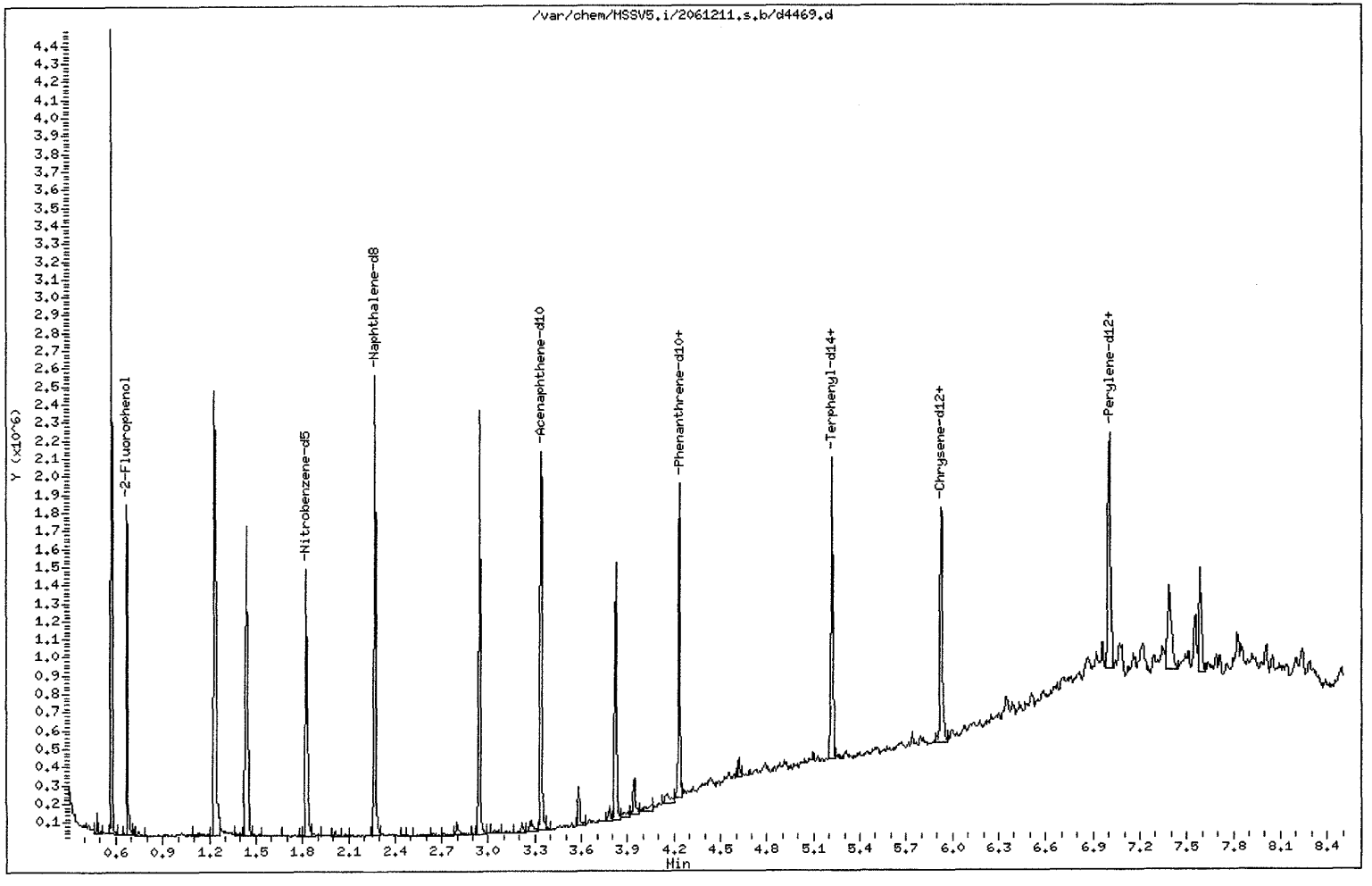
Volume Injected (uL): 1.0

Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: rrr

Column diameter: 0.25



034528

Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

Client ID: 20612072809

Instrument: MSSV5.i

Sample Info: 20612072809x4482x

Volume Injected (uL): 1.0

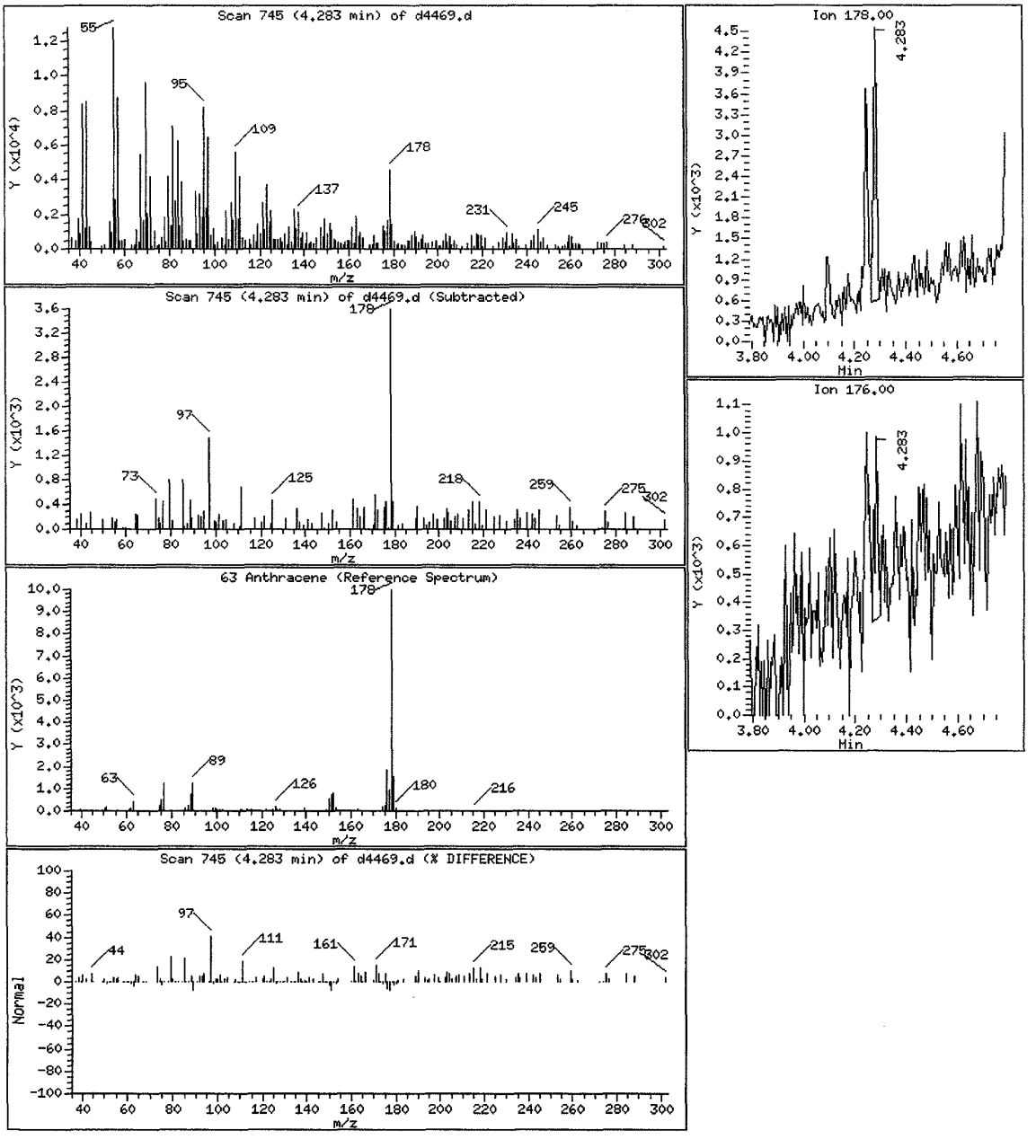
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

63 Anthracene

Concentration: 6.91 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

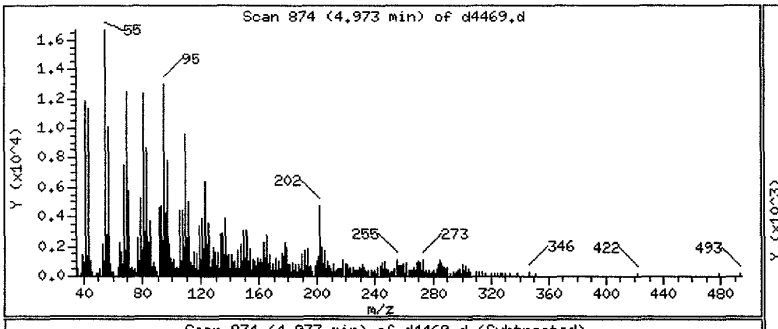
Client ID: 20612072809 Instrument: MSSV5.i

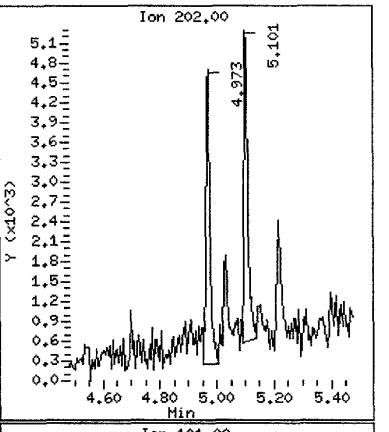
Sample Info: 20612072809x4482x

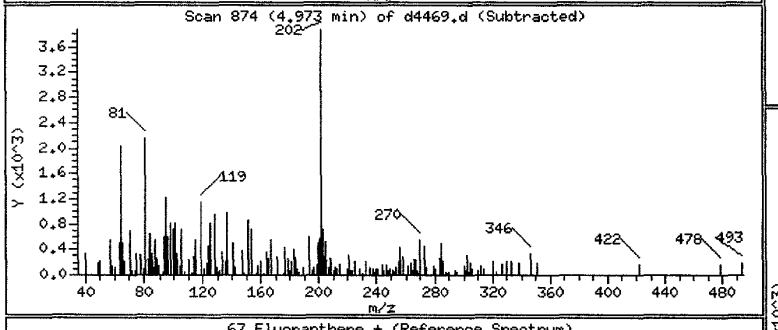
Volume Injected (uL): 1.0 Operator: rrr

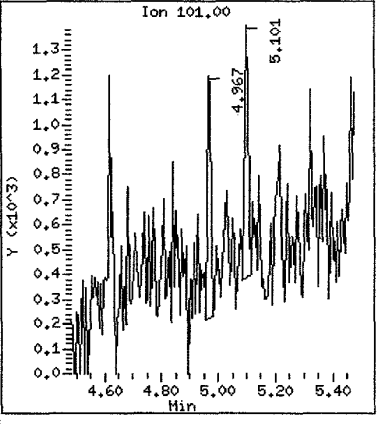
Column phase: RTX-5MS-30M Column diameter: 0.25

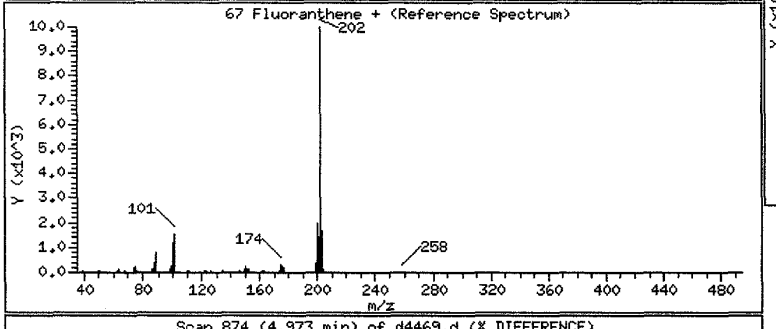
67 Fluoranthene + Concentration: 10.2 ug/Kg

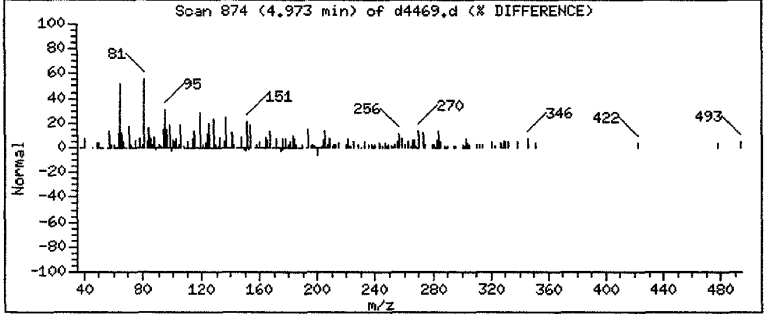












Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

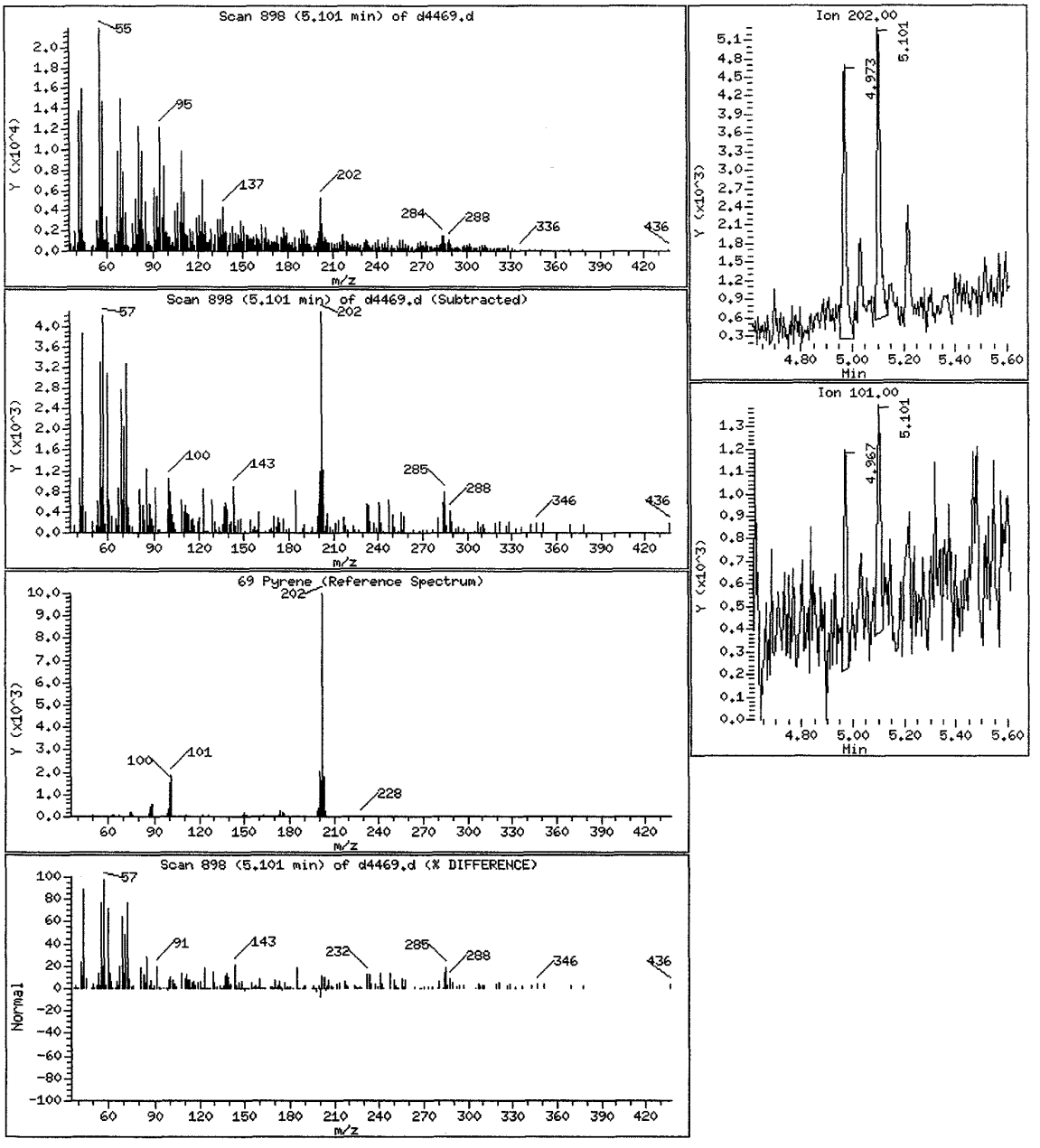
Client ID: 20612072809 Instrument: MSSV5.i

Sample Info: 20612072809x4482x

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

69 Pyrene Concentration: 8.10 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

Client ID: 20612072809

Instrument: MSSV5.i

Sample Info: 20612072809x4482x

Volume Injected (uL): 1.0

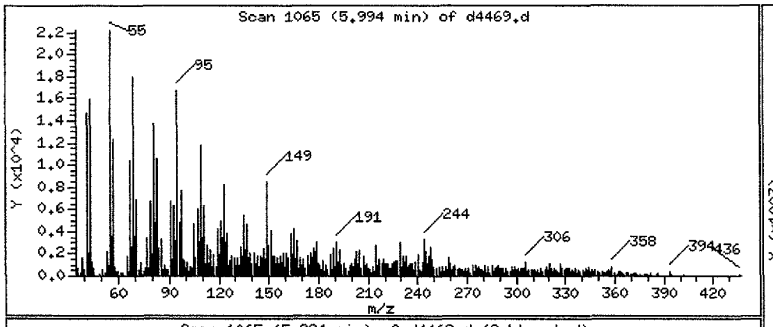
Operator: rrr

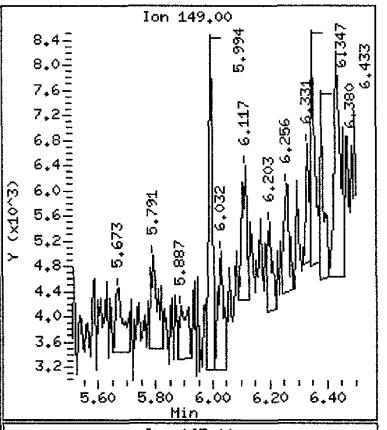
Column phase: RTX-5MS-30M

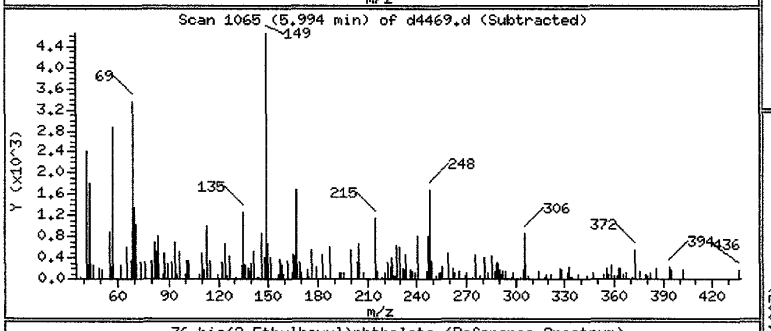
Column diameter: 0.25

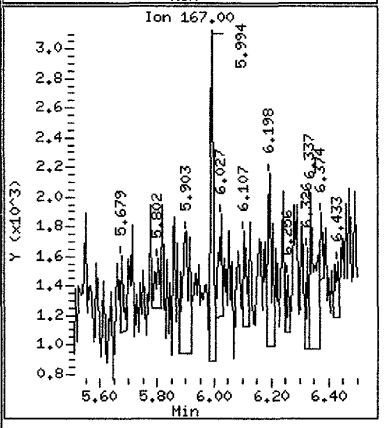
76 bis(2-Ethylhexyl)phthalate

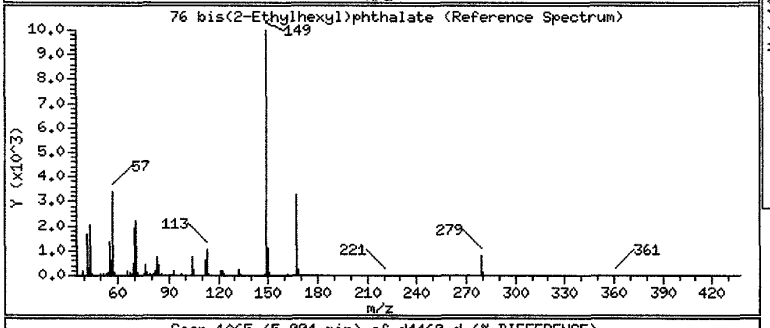
Concentration: 14.9 ug/Kg

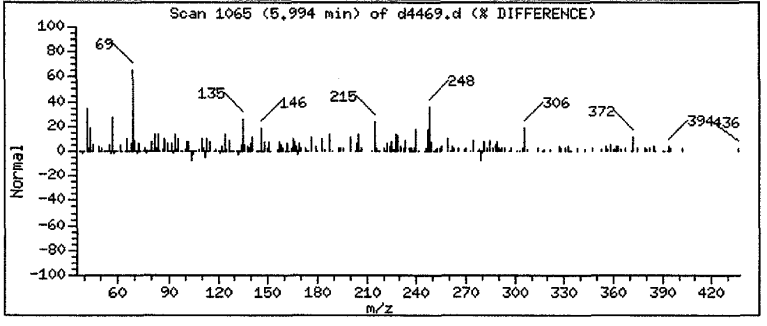












000147

034532

Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

Client ID: 20612072809

Instrument: MSSV5.i

Sample Info: 20612072809x4482x

Volume Injected (uL): 1.0

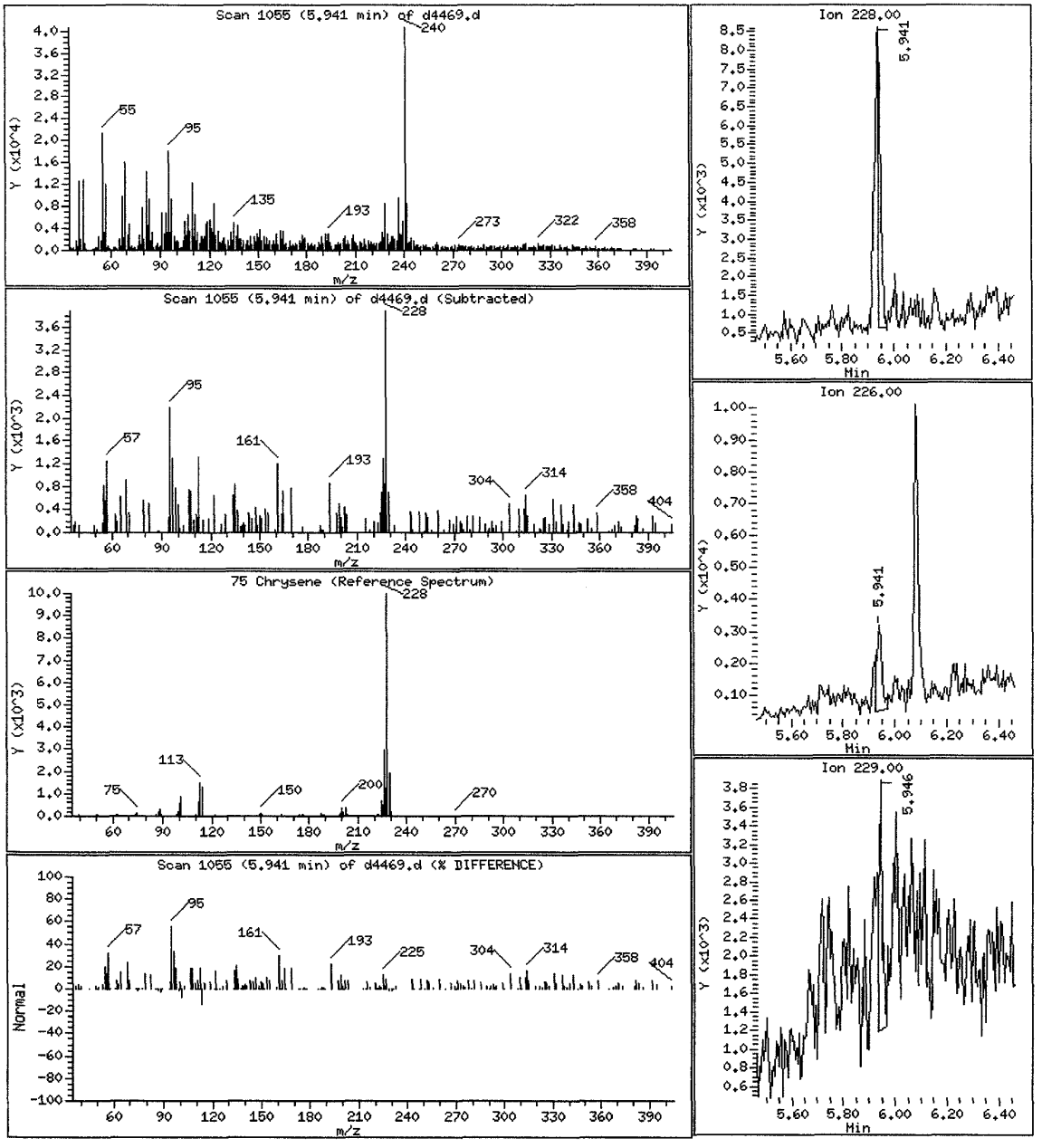
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

75 Chrysene

Concentration: 14.4 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

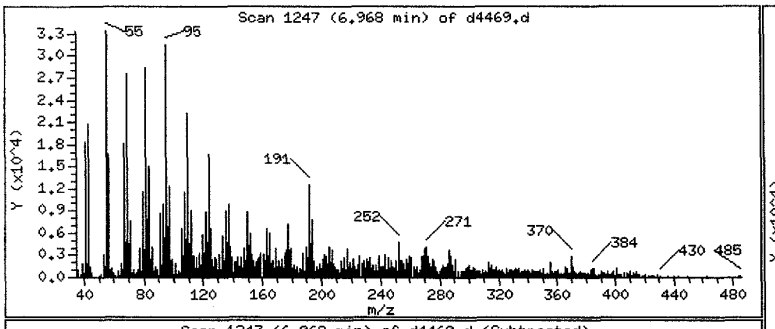
Client ID: 20612072809 Instrument: MSSV5.i

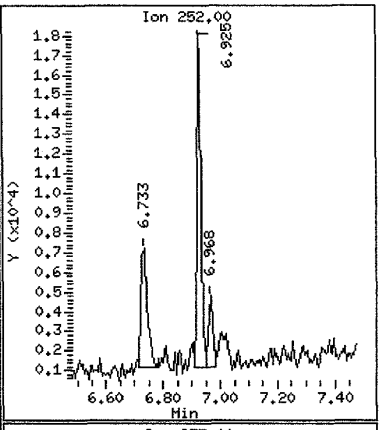
Sample Info: 20612072809x4482x

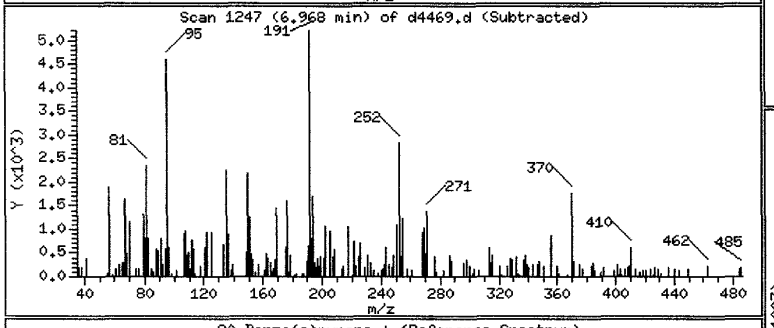
Volume Injected (uL): 1.0 Operator: rrr

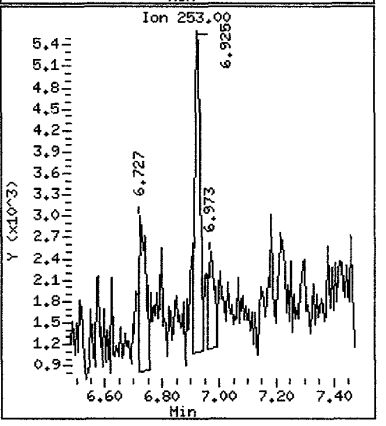
Column phase: RTX-5MS-30M Column diameter: 0.25

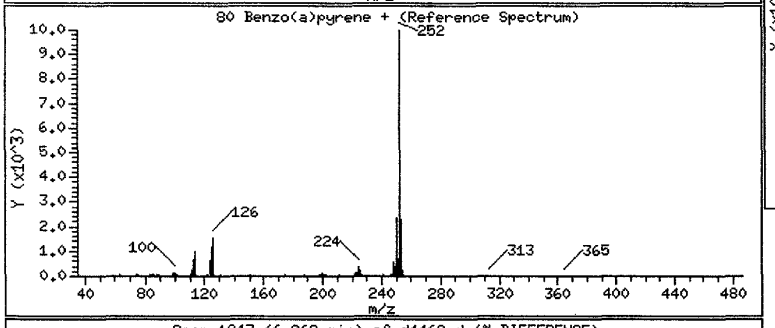
80 Benzo(a)pyrene + Concentration: 7.69 ug/Kg

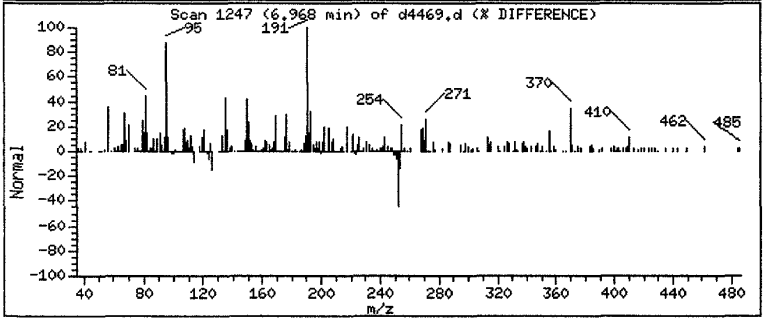












Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

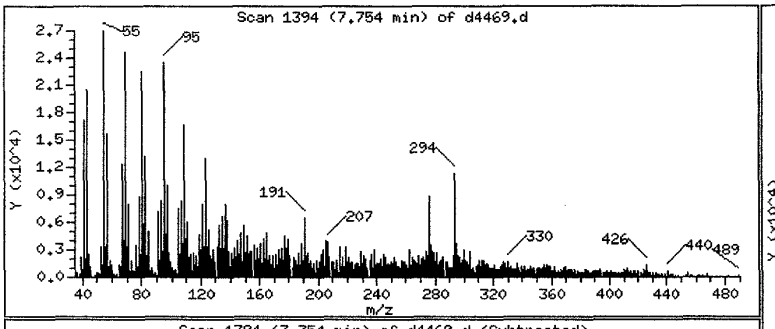
Client ID: 20612072809 Instrument: MSSV5.i

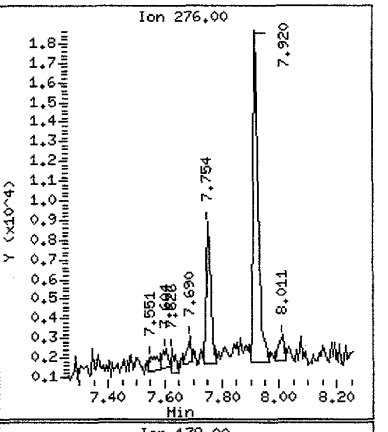
Sample Info: 20612072809x4482x

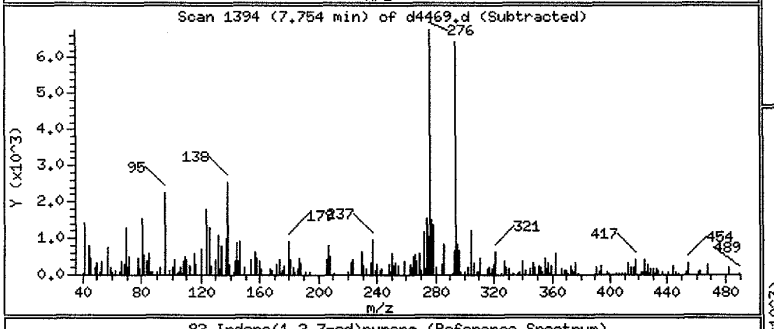
Volume Injected (uL): 1.0 Operator: rrr

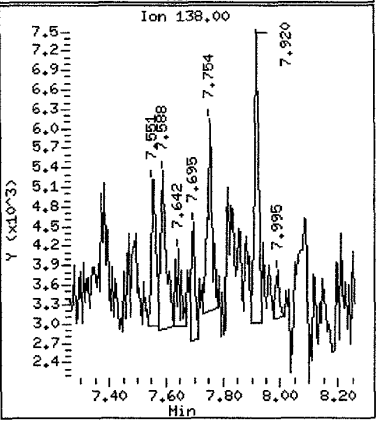
Column phase: RTX-5MS-30M Column diameter: 0.25

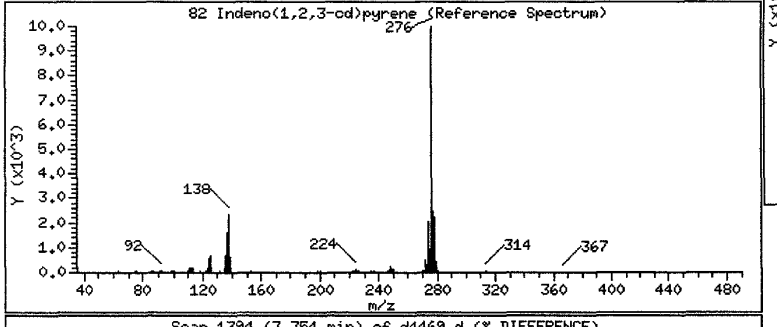
82 Indeno(1,2,3-cd)pyrene Concentration: 51.9 ug/Kg

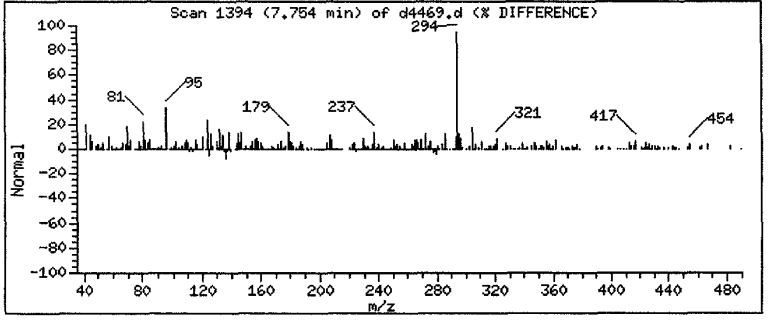












Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

Client ID: 20612072809

Instrument: MSSV5.i

Sample Info: 20612072809*4482*

Volume Injected (uL): 1.0

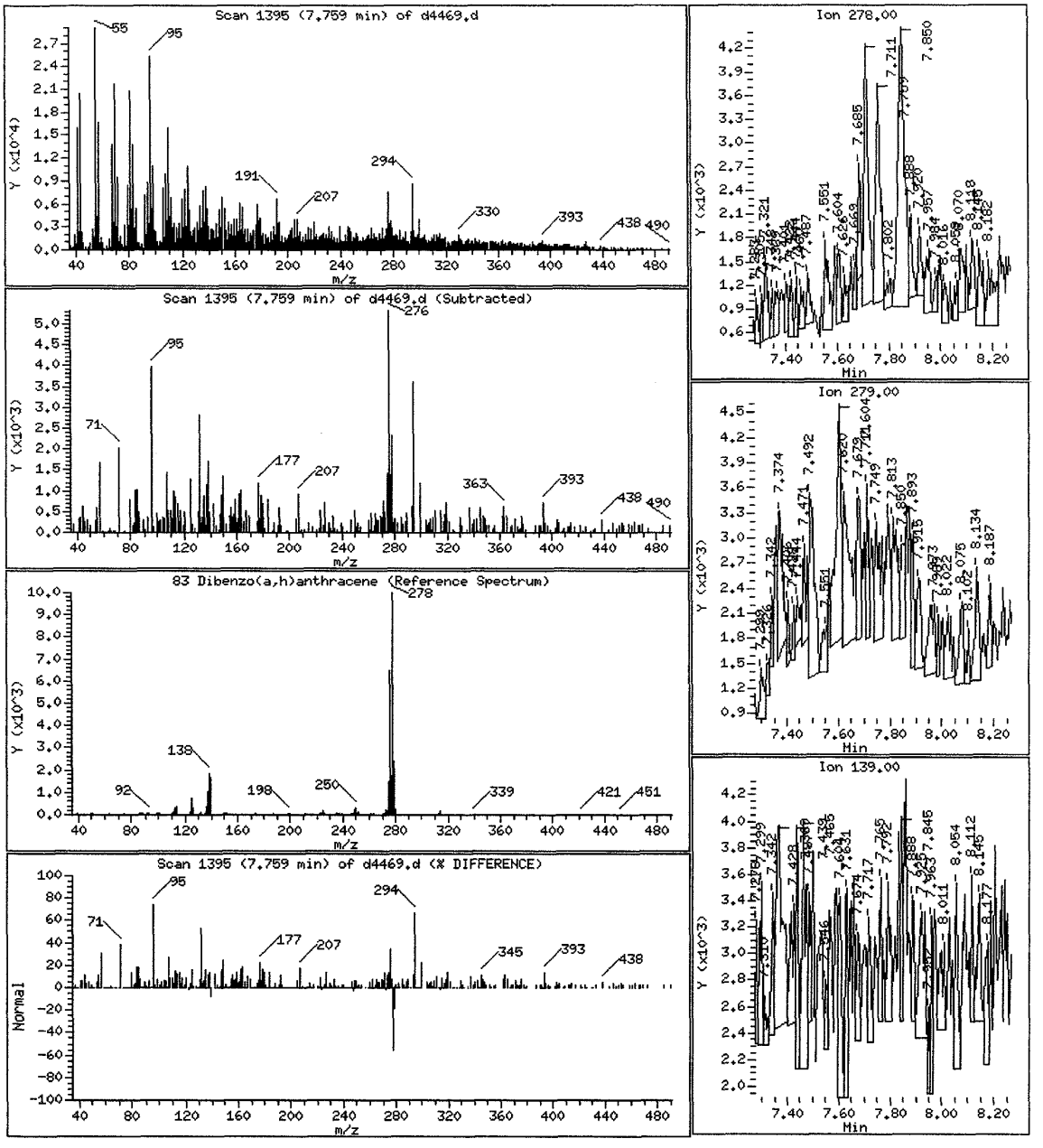
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

83 Dibenzo(a,h)anthracene

Concentration: 106 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4469.d

Date : 11-DEC-2006 10:28

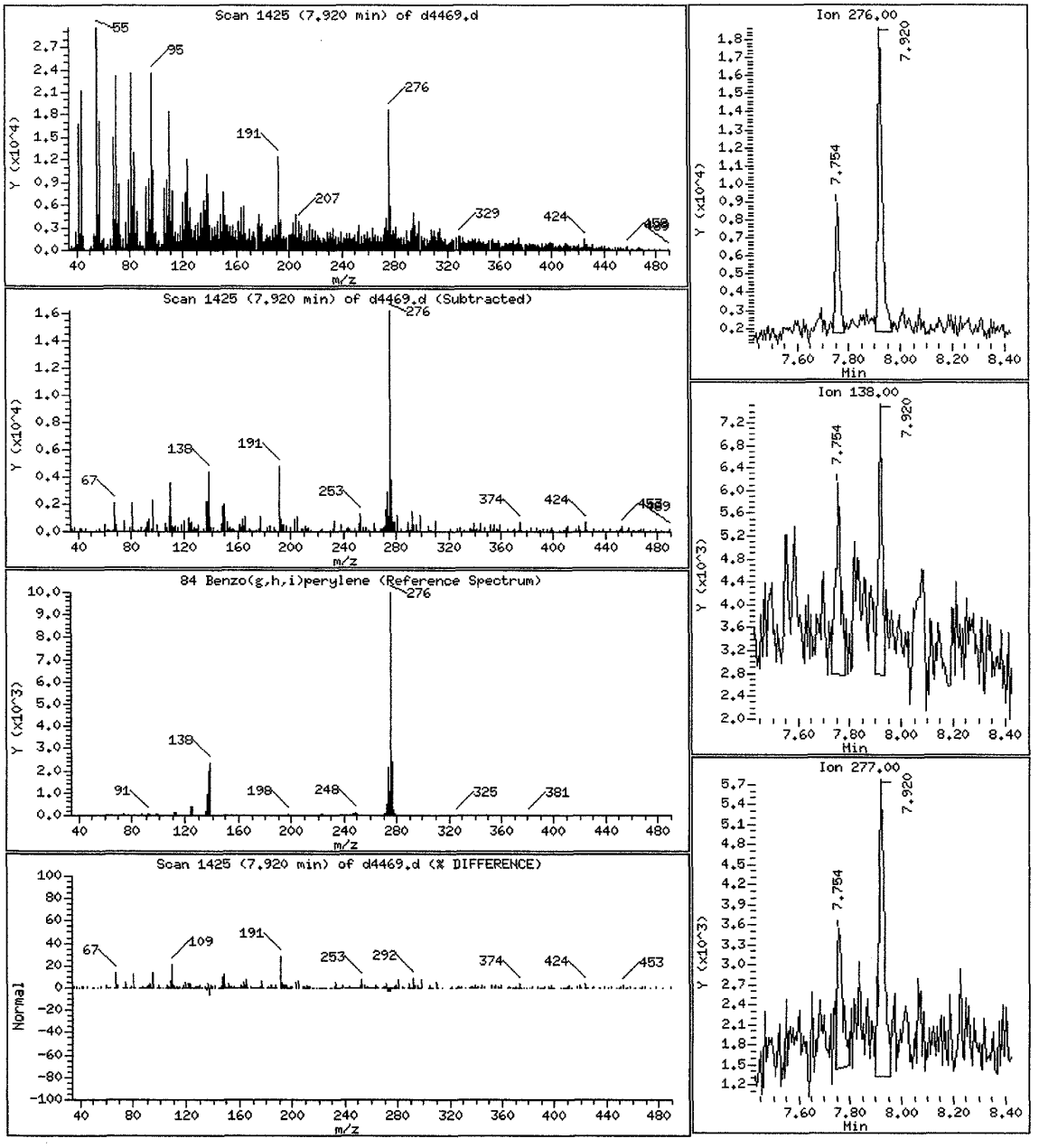
Client ID: 20612072809 Instrument: MSSV5.i

Sample Info: 20612072809x4482x

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

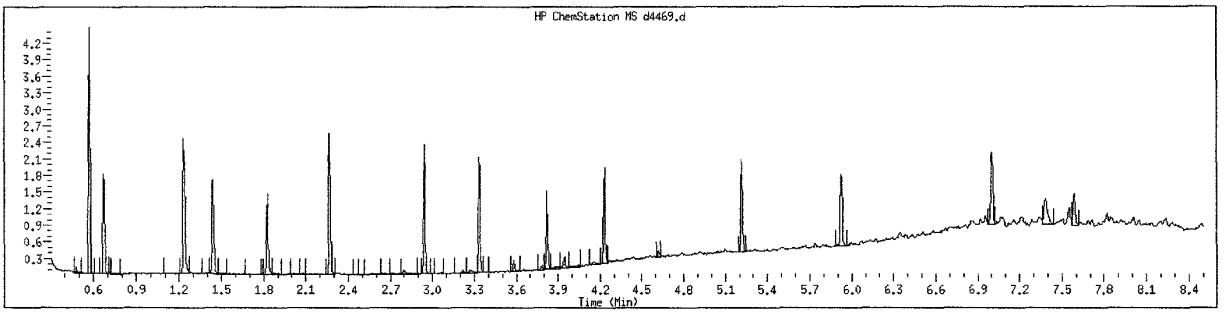
84 Benzo(g,h,i)perylene Concentration: 36.4 ug/Kg



Data file : /var/chem/MSSV5.i/2061211.s.b/d4469.d Page: 1
Report Date: 12/11/2006 16:33

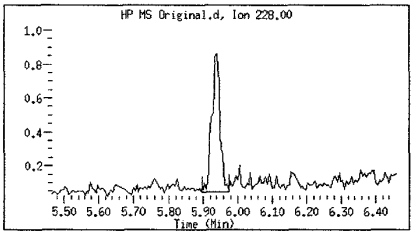
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072809 SampleType : SAMPLE
Injection Date: 11-DEC-2006 10:28 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072809*4482*
Misc Info : 20612072809*MSSV~4095~*120728*30.3-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



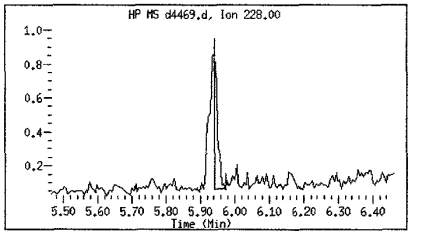
Original Final

75 Chrysene CAS#: 218-01-9 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 16:32



M1- Compound response manually integrated because
Target system did not integrate.

034538

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 26.8 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: 2WSED10-010 (0-0.5)
Contract:
Lab File ID: 2061211/d4470
Lab Sample ID: 20612072810
Date Collected: 12/06/06 Time: 0930
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1042
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.449	U	0.00795	0.449
95-95-4	2,4,5-Trichlorophenol	0.449	U	0.010	0.449
88-06-2	2,4,6-Trichlorophenol	0.449	U	0.00778	0.449
120-83-2	2,4-Dichlorophenol	0.449	U	0.034	0.449
51-28-5	2,4-Dinitrophenol	2.27	U	0.026	2.27
121-14-2	2,4-Dinitrotoluene	0.449	U	0.037	0.449
606-20-2	2,6-Dinitrotoluene	0.449	U	0.00776	0.449
91-58-7	2-Chloronaphthalene	0.449	U	0.033	0.449
95-57-8	2-Chlorophenol	0.449	U	0.034	0.449
91-57-6	2-Methylnaphthalene	0.090	U	0.00970	0.090
88-74-4	2-Nitroaniline	2.27	U	0.010	2.27
88-75-5	2-Nitrophenol	0.449	U	0.013	0.449
91-94-1	3,3'-Dichlorobenzidine	0.899	U	0.076	0.899
99-09-2	3-Nitroaniline	2.27	U	0.00897	2.27
534-52-1	2-Methyl-4,6-dinitrophenol	2.27	U	0.017	2.27
59-50-7	4-Chloro-3-methylphenol	0.449	U	0.014	0.449
106-47-8	4-Chloroaniline	0.449	U	0.056	0.449
7005-72-3	4-Chlorophenyl-phenylether	0.449	U	0.00633	0.449
83-32-9	Acenaphthene	0.090	U	0.00970	0.090
208-96-8	Acenaphthylene	0.090	U	0.00980	0.090
98-86-2	Acetophenone	0.449	U	0.011	0.449
62-53-3	Aniline	0.449	U	0.058	0.449
120-12-7	Anthracene	0.090	U	0.00675	0.090
1912-24-9	Atrazine (Aatrex)	0.899	U	0.022	0.899
100-52-7	Benzaldehyde	0.899	U	0.036	0.899
92-87-5	Benzidine	1.80	U	0.428	1.80
56-55-3	Benzo(a)anthracene	0.090	U	0.00795	0.090
50-32-8	Benzo(a)pyrene	0.090	U	0.011	0.090
205-99-2	Benzo(b)fluoranthene	0.449	U	0.00859	0.449

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 26.8 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: 2WSED10-010 (0-0.5)
Contract:
Lab File ID: 2061211/d4470
Lab Sample ID: 20612072810
Date Collected: 12/06/06 Time: 0930
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1042
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.449	U	0.036	0.449
207-08-9	Benzo(k)fluoranthene	0.449	U	0.012	0.449
65-85-0	Benzoic acid	2.27	U	0.210	2.27
100-51-6	Benzyl alcohol	0.449	U	0.00986	0.449
92-52-4	Biphenyl	0.449	U	0.00750	0.449
111-91-1	Bis(2-Chloroethoxy)methane	0.449	U	0.00699	0.449
111-44-4	Bis(2-Chloroethyl)ether	0.449	U	0.049	0.449
108-60-1	bis(2-Chloroisopropyl)ether	0.449	U	0.044	0.449
117-81-7	bis(2-ethylhexyl)phthalate	0.090	U	0.021	0.090
101-55-3	4-Bromophenyl-phenylether	0.449	U	0.017	0.449
85-68-7	Butylbenzylphthalate	0.449	U	0.010	0.449
105-60-2	Caprolactam	0.449	U	0.013	0.449
86-74-8	Carbazole	0.449	U	0.00926	0.449
218-01-9	Chrysene	0.449	U	0.014	0.449
84-74-2	Di-n-butylphthalate	0.449	U	0.00904	0.449
117-84-0	Di-n-octylphthalate	0.449	U	0.00942	0.449
53-70-3	Dibenz(a,h)anthracene	0.090	U	0.042	0.090
132-64-9	Dibenzofuran	0.449	U	0.00577	0.449
84-66-2	Diethylphthalate	0.449	U	0.00738	0.449
131-11-3	Dimethyl-phthalate	0.449	U	0.027	0.449
105-67-9	2,4-Dimethylphenol	0.449	U	0.074	0.449
206-44-0	Fluoranthene	0.449	U	0.012	0.449
86-73-7	Fluorene	0.090	U	0.00756	0.090
118-74-1	Hexachlorobenzene	0.449	U	0.013	0.449
77-47-4	Hexachlorocyclopentadiene	0.449	U	0.033	0.449
67-72-1	Hexachloroethane	0.449	U	0.060	0.449
193-39-5	Indeno(1,2,3-cd)pyrene	0.449	U	0.031	0.449
78-59-1	Isophorone	0.449	U	0.00626	0.449
100-01-6	4-Nitroaniline	2.27	U	0.053	2.27

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 26.8 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: 2WSED10-010 (0-0.5)
Contract:
Lab File ID: 2061211/d4470
Lab Sample ID: 20612072810
Date Collected: 12/06/06 Time: 0930
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1042
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.449	U	0.046	0.449
100-02-7	4-Nitrophenol	2.27	U	0.011	2.27
87-86-5	Pentachlorophenol	2.27	U	0.040	2.27
85-01-8	Phenanthrene	0.090	U	0.00703	0.090
108-95-2	Phenol	0.449	U	0.00931	0.449
129-00-0	Pyrene	0.449	U	0.021	0.449
110-86-1	Pyridine	0.449	U	0.067	0.449
1319-77-3M	m,p-Cresol	0.449	U	0.013	0.449
621-64-7	N-Nitroso-di-n-propylamine	0.090	U	0.010	0.090
62-75-9	N-Nitrosodimethylamine	0.449	U	0.054	0.449
86-30-6	N-Nitrosodiphenylamine	0.449	U	0.015	0.449
95-48-7	o-Cresol	0.449	U	0.023	0.449

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4470.d
Lab Smp Id: 20612072810 Client Smp ID: 20612072810
Inj Date : 11-DEC-2006 10:42
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072810*4482*
Misc Info : 20612072810*MSSV~4095~*120728*30.1-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 25
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)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	0.678	0.678	(0.470)	201505	42.2514	1400(R)
$ 4 Phenol-d5	99	1.234	1.256	(0.855)	439369	40.0473	1330
* 10 1,4-Dichlorobenzene-d4	152	1.437	1.448	(1.000)	237285	40.0000	
$ 19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	226902	22.3806	744(R)
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	903859	40.0000	
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.883)	309802	22.5237	748
* 44 Acenaphthene-d10	164	3.336	3.347	(1.000)	427220	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.823	3.834	(1.146)	69222	34.4682	1150
* 61 Phenanthrene-d10	188	4.235	4.245	(1.000)	558701	40.0000	
$ 70 Terphenyl-d14	244	5.219	5.230	(0.881)	212369	23.6529	786
* 74 Chrysene-d12	240	5.925	5.946	(1.000)	368209	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	7.000	7.016	(1.000)	375088	40.0000	

QC Flag Legend

R - Spike/Surrogate failed recovery limits.

034543

Data File: /var/chem/MSSV5.i/2061211.s.b/d4470.d

Page 1

Date : 11-DEC-2006 10:42

Client ID: 20612072810

Instrument: MSSV5.i

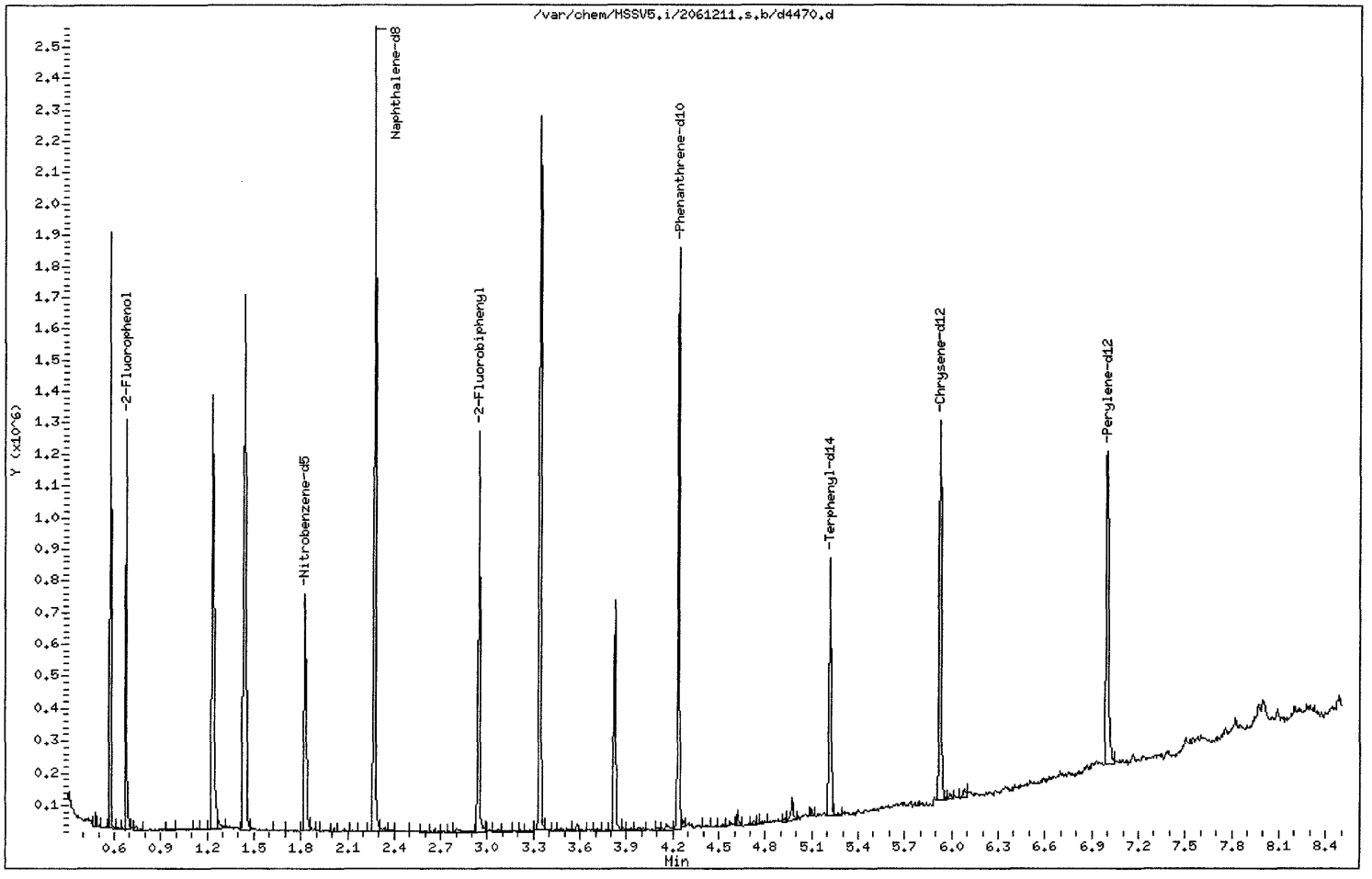
Sample Info: 20612072810*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

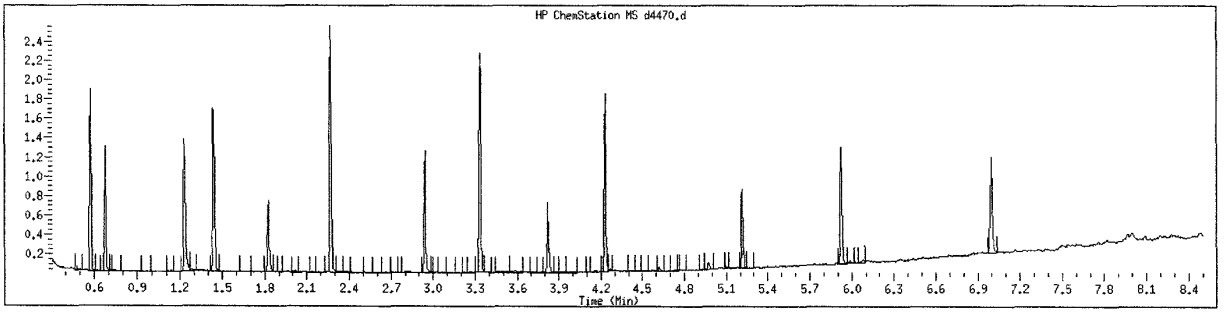
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4470.d Page: 1
Report Date: 12/11/2006 16:34

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072810 SampleType : SAMPLE
Injection Date: 11-DEC-2006 10:42 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072810*4482*
Misc Info : 20612072810*MSSV~4095~*120728*30.1-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 26.2 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: 2WSED11-011 (0-0.5)
Contract:
Lab File ID: 2061211/d4471
Lab Sample ID: 20612072811
Date Collected: 12/06/06 Time: 0935
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1057
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.441	U	0.00781	0.441
95-95-4	2,4,5-Trichlorophenol	0.441	U	0.010	0.441
88-06-2	2,4,6-Trichlorophenol	0.441	U	0.00764	0.441
120-83-2	2,4-Dichlorophenol	0.441	U	0.033	0.441
51-28-5	2,4-Dinitrophenol	2.23	U	0.025	2.23
121-14-2	2,4-Dinitrotoluene	0.441	U	0.036	0.441
606-20-2	2,6-Dinitrotoluene	0.441	U	0.00763	0.441
91-58-7	2-Chloronaphthalene	0.441	U	0.032	0.441
95-57-8	2-Chlorophenol	0.441	U	0.033	0.441
91-57-6	2-Methylnaphthalene	0.088	U	0.00952	0.088
88-74-4	2-Nitroaniline	2.23	U	0.010	2.23
88-75-5	2-Nitrophenol	0.441	U	0.013	0.441
91-94-1	3,3'-Dichlorobenzidine	0.883	U	0.075	0.883
99-09-2	3-Nitroaniline	2.23	U	0.00882	2.23
534-52-1	2-Methyl-4,6-dinitrophenol	2.23	U	0.017	2.23
59-50-7	4-Chloro-3-methylphenol	0.441	U	0.013	0.441
106-47-8	4-Chloroaniline	0.441	U	0.055	0.441
7005-72-3	4-Chlorophenyl-phenylether	0.441	U	0.00622	0.441
83-32-9	Acenaphthene	0.088	U	0.00952	0.088
208-96-8	Acenaphthylene	0.088	U	0.00963	0.088
98-86-2	Acetophenone	0.441	U	0.011	0.441
62-53-3	Aniline	0.441	U	0.057	0.441
120-12-7	Anthracene	0.088	U	0.00664	0.088
1912-24-9	Atrazine (Aatrex)	0.883	U	0.021	0.883
100-52-7	Benzaldehyde	0.883	U	0.035	0.883
92-87-5	Benzidine	1.77	U	0.420	1.77
56-55-3	Benzo(a)anthracene	0.088	U	0.00781	0.088
50-32-8	Benzo(a)pyrene	0.088	U	0.011	0.088
205-99-2	Benzo(b)fluoranthene	0.441	U	0.00844	0.441

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 26.2 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: 2WSED11-011 (0-0.5)
Contract:
Lab File ID: 2061211/d4471
Lab Sample ID: 20612072811
Date Collected: 12/06/06 Time: 0935
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1057
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.441	U	0.036	0.441
207-08-9	Benzo(k)fluoranthene	0.441	U	0.012	0.441
65-85-0	Benzoic acid	2.23	U	0.206	2.23
100-51-6	Benzyl alcohol	0.441	U	0.00969	0.441
92-52-4	Biphenyl	0.441	U	0.00737	0.441
111-91-1	Bis(2-Chloroethoxy)methane	0.441	U	0.00686	0.441
111-44-4	Bis(2-Chloroethyl)ether	0.441	U	0.048	0.441
108-60-1	bis(2-Chloroisopropyl)ether	0.441	U	0.043	0.441
117-81-7	bis(2-ethylhexyl)phthalate	0.088	U	0.021	0.088
101-55-3	4-Bromophenyl-phenylether	0.441	U	0.016	0.441
85-68-7	Butylbenzylphthalate	0.441	U	0.010	0.441
105-60-2	Caprolactam	0.441	U	0.013	0.441
86-74-8	Carbazole	0.441	U	0.00910	0.441
218-01-9	Chrysene	0.441	U	0.014	0.441
84-74-2	Di-n-butylphthalate	0.441	U	0.00888	0.441
117-84-0	Di-n-octylphthalate	0.441	U	0.00926	0.441
53-70-3	Dibenz(a,h)anthracene	0.088	U	0.041	0.088
132-64-9	Dibenzofuran	0.441	U	0.00567	0.441
84-66-2	Diethylphthalate	0.441	U	0.00725	0.441
131-11-3	Dimethyl-phthalate	0.441	U	0.026	0.441
105-67-9	2,4-Dimethylphenol	0.441	U	0.073	0.441
206-44-0	Fluoranthene	0.441	U	0.012	0.441
86-73-7	Fluorene	0.088	U	0.00742	0.088
118-74-1	Hexachlorobenzene	0.441	U	0.013	0.441
77-47-4	Hexachlorocyclopentadiene	0.441	U	0.033	0.441
67-72-1	Hexachloroethane	0.441	U	0.059	0.441
193-39-5	Indeno(1,2,3-cd)pyrene	0.441	U	0.031	0.441
78-59-1	Isophorone	0.441	U	0.00615	0.441
100-01-6	4-Nitroaniline	2.23	U	0.052	2.23

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 26.2 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: 2WSED11-011 (0-0.5)
Contract:
Lab File ID: 2061211/d4471
Lab Sample ID: 20612072811
Date Collected: 12/06/06 Time: 0935
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1057
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.441	U	0.045	0.441
100-02-7	4-Nitrophenol	2.23	U	0.011	2.23
87-86-5	Pentachlorophenol	2.23	U	0.039	2.23
85-01-8	Phenanthrene	0.088	U	0.00690	0.088
108-95-2	Phenol	0.441	U	0.00915	0.441
129-00-0	Pyrene	0.441	U	0.021	0.441
110-86-1	Pyridine	0.441	U	0.066	0.441
1319-77-3M	m,p-Cresol	0.441	U	0.013	0.441
621-64-7	N-Nitroso-di-n-propylamine	0.088	U	0.010	0.088
62-75-9	N-Nitrosodimethylamine	0.441	U	0.053	0.441
86-30-6	N-Nitrosodiphenylamine	0.441	U	0.015	0.441
95-48-7	o-Cresol	0.441	U	0.022	0.441

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4471.d
Lab Smp Id: 20612072811 Client Smp ID: 20612072811
Inj Date : 11-DEC-2006 10:57
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072811*4482*
Misc Info : 20612072811*MSSV~4095~*120728*30.4-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 26
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	30.40000	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	0.678	0.678	(0.470)	470432	76.7295	2520
$	4 Phenol-d5	99	1.240	1.256	(0.859)	1024719	72.6539	2390
*	10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	305042	40.0000	
$	19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	532086	40.4741	1330
*	28 Naphthalene-d8	136	2.272	2.282	(1.000)	1172031	40.0000	
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	719868	40.4606	1330
*	44 Acenaphthene-d10	164	3.342	3.347	(1.000)	552622	40.0000	
$	57 2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	139231	53.5962	1760
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	695799	40.0000	
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	424872	46.1985	1520
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	377153	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	5.995	6.005	(1.011)	3249	0.39342	12.9
* 81 Perylene-d12	264	7.000	7.016	(1.000)	368491	40.0000	

034550

Data File: /var/chem/MSSV5.i/2061211.s.b/d4471.d

Page 1

Date : 11-DEC-2006 10:57

Client ID: 20612072811

Instrument: MSSV5.i

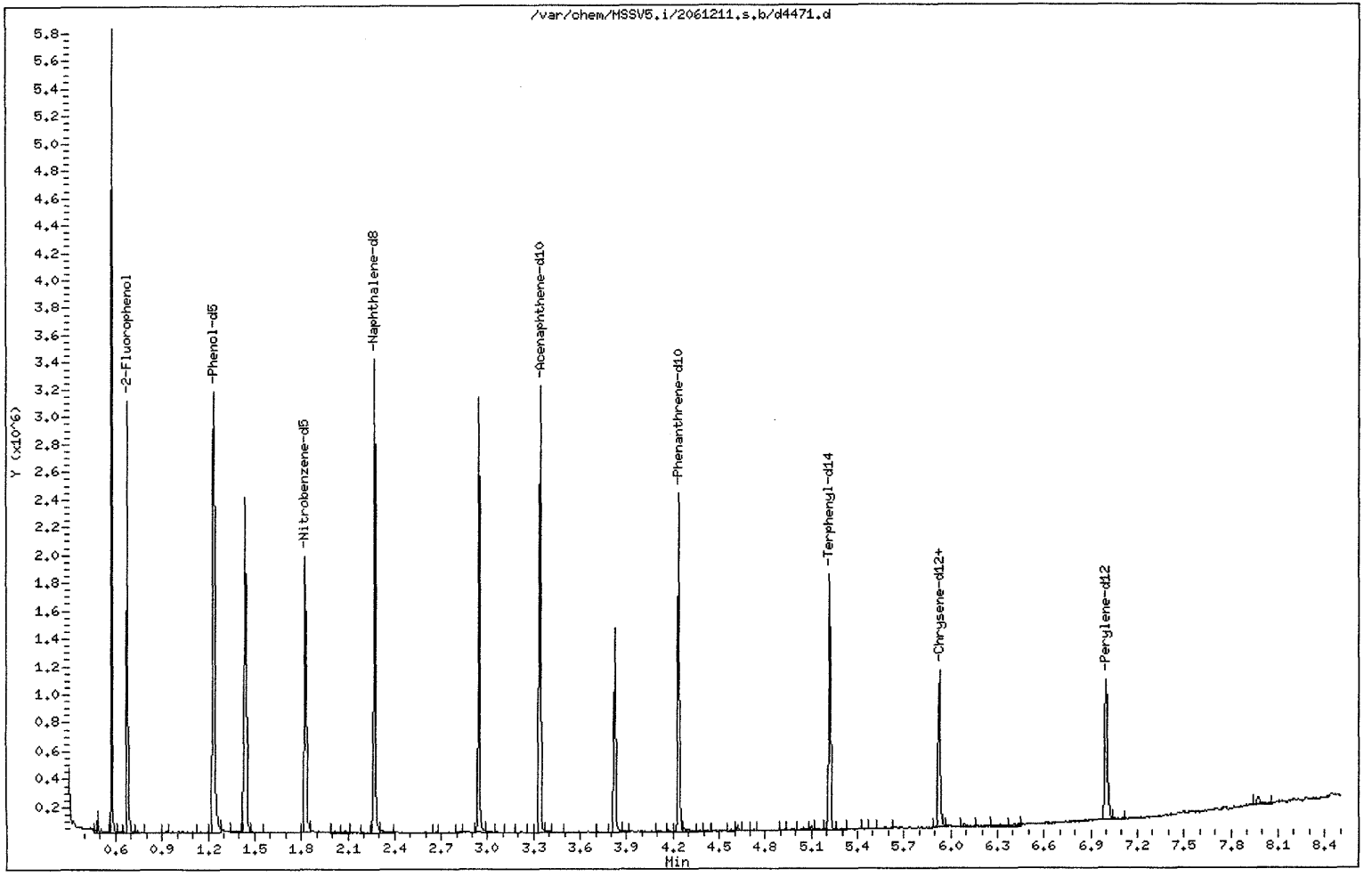
Sample Info: 20612072811*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2061211.s.b/d4471.d

Date : 11-DEC-2006 10:57

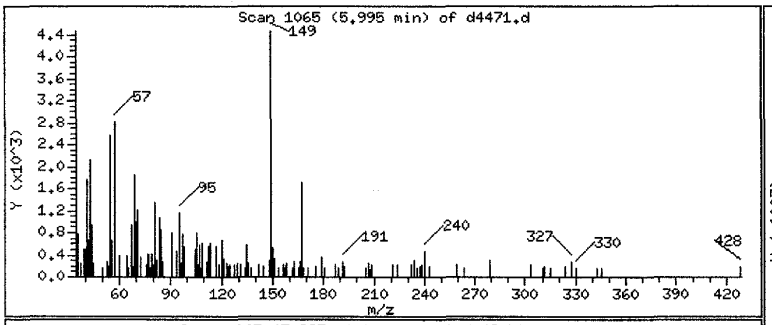
Client ID: 20612072811 Instrument: MSSV5.i

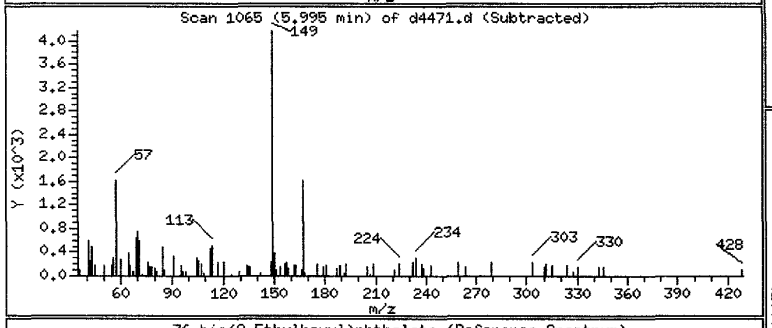
Sample Info: 20612072811*4482*

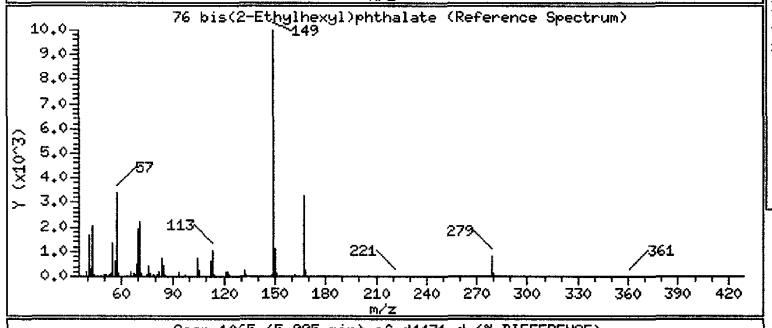
Volume Injected (uL): 1.0 Operator: rrr

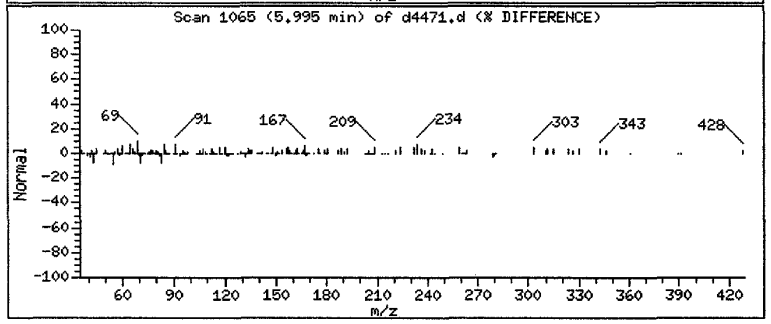
Column phase: RTX-5MS-30M Column diameter: 0.25

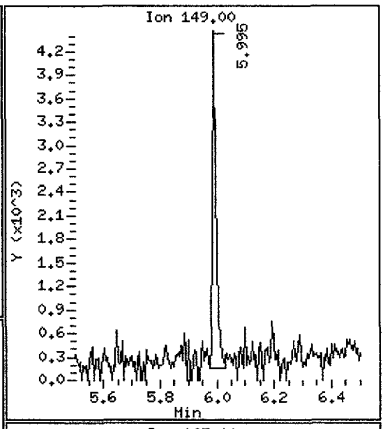
76 bis(2-Ethylhexyl)phthalate Concentration: 12.9 ug/Kg

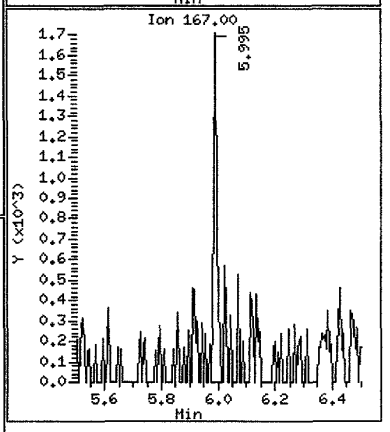








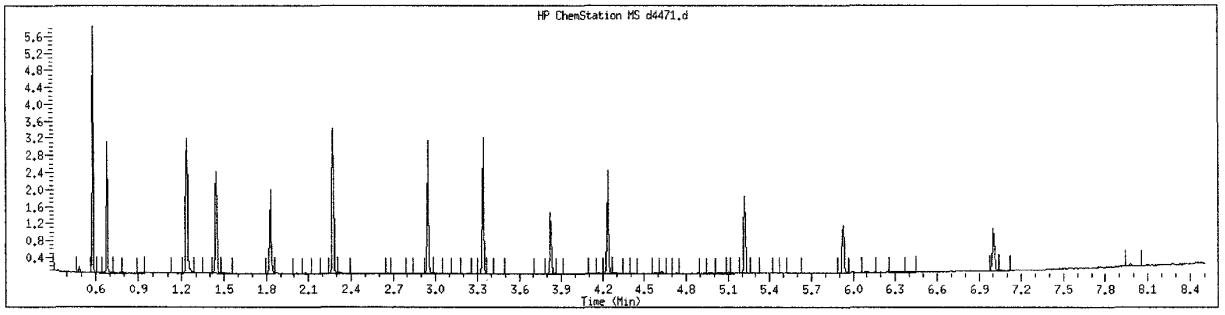




Data file : /var/chem/MSSV5.i/2061211.s.b/d4471.d Page: 1
Report Date: 12/11/2006 16:34

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072811 SampleType : SAMPLE
Injection Date: 11-DEC-2006 10:57 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072811*4482*
Misc Info : 20612072811*MSSV~4095~*120728*30.4-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

034553

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 16.9 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: 2WSED12-012 (0-0.5)
Contract:
Lab File ID: 2061211/d4472
Lab Sample ID: 20612072812
Date Collected: 12/06/06 Time: 0940
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1111
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.395	U	0.00698	0.395
95-95-4	2,4,5-Trichlorophenol	0.395	U	0.00894	0.395
88-06-2	2,4,6-Trichlorophenol	0.395	U	0.00683	0.395
120-83-2	2,4-Dichlorophenol	0.395	U	0.030	0.395
51-28-5	2,4-Dinitrophenol	2.00	U	0.023	2.00
121-14-2	2,4-Dinitrotoluene	0.395	U	0.032	0.395
606-20-2	2,6-Dinitrotoluene	0.395	U	0.00681	0.395
91-58-7	2-Chloronaphthalene	0.395	U	0.029	0.395
95-57-8	2-Chlorophenol	0.395	U	0.030	0.395
91-57-6	2-Methylnaphthalene	0.079	U	0.00851	0.079
88-74-4	2-Nitroaniline	2.00	U	0.00903	2.00
88-75-5	2-Nitrophenol	0.395	U	0.011	0.395
91-94-1	3,3'-Dichlorobenzidine	0.789	U	0.067	0.789
99-09-2	3-Nitroaniline	2.00	U	0.00788	2.00
534-52-1	2-Methyl-4,6-dinitrophenol	2.00	U	0.015	2.00
59-50-7	4-Chloro-3-methylphenol	0.395	U	0.012	0.395
106-47-8	4-Chloroaniline	0.395	U	0.049	0.395
7005-72-3	4-Chlorophenyl-phenylether	0.395	U	0.00556	0.395
83-32-9	Acenaphthene	0.079	U	0.00851	0.079
208-96-8	Acenaphthylene	0.079	U	0.00861	0.079
98-86-2	Acetophenone	0.395	U	0.00978	0.395
62-53-3	Aniline	0.395	U	0.051	0.395
120-12-7	Anthracene	0.079	U	0.00593	0.079
1912-24-9	Atrazine (Aatrex)	0.789	U	0.019	0.789
100-52-7	Benzaldehyde	0.789	U	0.031	0.789
92-87-5	Benzidine	1.58	U	0.375	1.58
56-55-3	Benzo(a)anthracene	0.079	U	0.00698	0.079
50-32-8	Benzo(a)pyrene	0.079	U	0.00939	0.079
205-99-2	Benzo(b)fluoranthene	0.395	U	0.00754	0.395

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 16.9 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: 2WSED12-012 (0-0.5)
Contract:
Lab File ID: 2061211/d4472
Lab Sample ID: 20612072812
Date Collected: 12/06/06 Time: 0940
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1111
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.395	U	0.032	0.395
207-08-9	Benzo(k)fluoranthene	0.395	U	0.011	0.395
65-85-0	Benzoic acid	2.00	U	0.184	2.00
100-51-6	Benzyl alcohol	0.395	U	0.00866	0.395
92-52-4	Biphenyl	0.395	U	0.00659	0.395
111-91-1	Bis(2-Chloroethoxy)methane	0.395	U	0.00613	0.395
111-44-4	Bis(2-Chloroethyl)ether	0.395	U	0.043	0.395
108-60-1	bis(2-Chloroisopropyl)ether	0.395	U	0.039	0.395
117-81-7	bis(2-ethylhexyl)phthalate	0.079	U	0.019	0.079
101-55-3	4-Bromophenyl-phenylether	0.395	U	0.015	0.395
85-68-7	Butylbenzylphthalate	0.395	U	0.00909	0.395
105-60-2	Caprolactam	0.395	U	0.012	0.395
86-74-8	Carbazole	0.395	U	0.00813	0.395
218-01-9	Chrysene	0.395	U	0.013	0.395
84-74-2	Di-n-butylphthalate	0.395	U	0.00794	0.395
117-84-0	Di-n-octylphthalate	0.395	U	0.00827	0.395
53-70-3	Dibenz(a,h)anthracene	0.079	U	0.037	0.079
132-64-9	Dibenzofuran	0.395	U	0.00507	0.395
84-66-2	Diethylphthalate	0.395	U	0.00648	0.395
131-11-3	Dimethyl-phthalate	0.395	U	0.023	0.395
105-67-9	2,4-Dimethylphenol	0.395	U	0.065	0.395
206-44-0	Fluoranthene	0.395	U	0.010	0.395
86-73-7	Fluorene	0.079	U	0.00664	0.079
118-74-1	Hexachlorobenzene	0.395	U	0.011	0.395
77-47-4	Hexachlorocyclopentadiene	0.395	U	0.029	0.395
67-72-1	Hexachloroethane	0.395	U	0.053	0.395
193-39-5	Indeno(1,2,3-cd)pyrene	0.395	U	0.027	0.395
78-59-1	Isophorone	0.395	U	0.00550	0.395
100-01-6	4-Nitroaniline	2.00	U	0.046	2.00

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.2 Units: g
Level: (low/med) LOW
% Moisture: 16.9 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: 2WSED12-012 (0-0.5)
Contract:
Lab File ID: 2061211/d4472
Lab Sample ID: 20612072812
Date Collected: 12/06/06 Time: 0940
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1111
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.395	U	0.041	0.395
100-02-7	4-Nitrophenol	2.00	U	0.00988	2.00
87-86-5	Pentachlorophenol	2.00	U	0.035	2.00
85-01-8	Phenanthrene	0.079	U	0.00617	0.079
108-95-2	Phenol	0.395	U	0.00818	0.395
129-00-0	Pyrene	0.395	U	0.018	0.395
110-86-1	Pyridine	0.395	U	0.059	0.395
1319-77-3M	m,p-Cresol	0.395	U	0.012	0.395
621-64-7	N-Nitroso-di-n-propylamine	0.079	U	0.00894	0.079
62-75-9	N-Nitrosodimethylamine	0.395	U	0.047	0.395
86-30-6	N-Nitrosodiphenylamine	0.395	U	0.013	0.395
95-48-7	o-Cresol	0.395	U	0.020	0.395

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4472.d
Lab Smp Id: 20612072812 Client Smp ID: 20612072812
Inj Date : 11-DEC-2006 11:11
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072812*4482*
Misc Info : 20612072812*MSSV~4095~*120728*30.2-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 27
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/(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	0.678	0.678	(0.470)	415761	80.2955	2660
$	4 Phenol-d5	99	1.234	1.256	(0.855)	889312	74.6604	2470
*	10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	257619	40.0000	
$	19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	461285	41.8974	1390
*	28 Naphthalene-d8	136	2.272	2.282	(1.000)	981560	40.0000	
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.883)	632015	41.9234	1390
*	44 Acenaphthene-d10	164	3.336	3.347	(1.000)	468251	40.0000	
$	57 2,4,6-Tribromophenol	332	3.823	3.834	(1.146)	152814	69.4241	2300
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	668991	40.0000	
	62 Phenanthrene	178	4.245	4.261	(1.003)	2276	0.11049	3.66
	63 Anthracene	178	4.283	4.288	(1.011)	329	0.01583	0.524

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	65 Di-n-butylphthalate	149	4.620	4.630	(1.091)	1387	0.06304	2.09
	67 Fluoranthene +	202	4.973	4.978	(1.174)	4134	0.21620	7.16
	69 Pyrene	202	5.107	5.112	(0.862)	3638	0.20106	6.66
$	70 Terphenyl-d14	244	5.219	5.230	(0.881)	497326	44.9358	1490
*	74 Chrysene-d12	240	5.925	5.946	(1.000)	453874	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.989	6.005	(1.011)	3923	0.39451	13.1
	75 Chrysene	228	5.941	5.962	(1.003)	2241	0.15427	5.11
	79 Benzo(k)fluoranthene	252	6.738	6.765	(0.963)	2532	0.14422	4.78(M2)
	80 Benzo(a)pyrene +	252	6.968	6.979	(0.996)	1791	0.12737	4.22
*	81 Perylene-d12	264	6.995	7.016	(1.000)	413127	40.0000	

QC Flag Legend

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

034558

Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

Client ID: 20612072812

Instrument: MSSV5.i

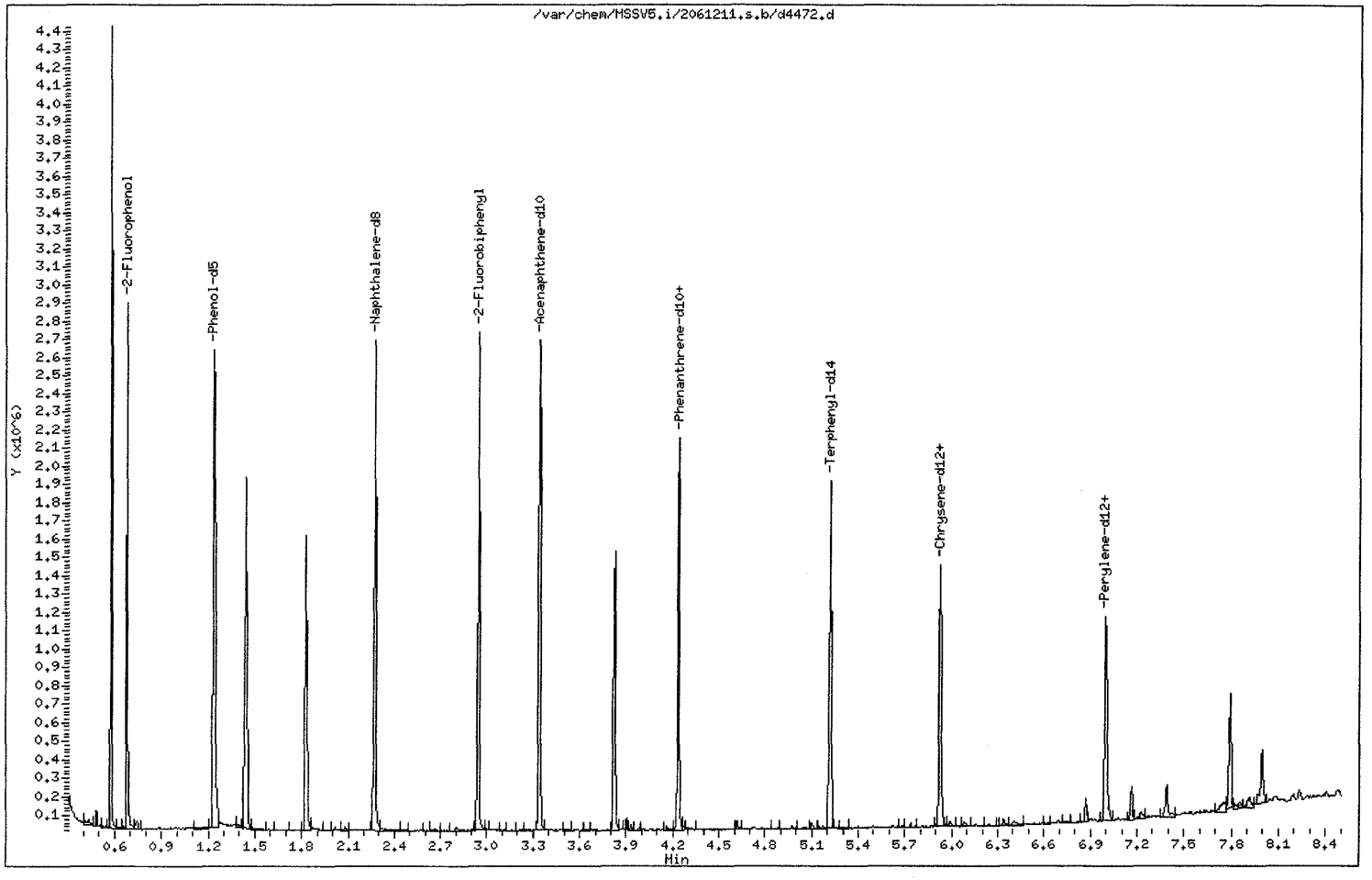
Sample Info: 20612072812*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

Client ID: 20612072812

Instrument: MSSV5.i

Sample Info: 20612072812x4482x

Volume Injected (uL): 1.0

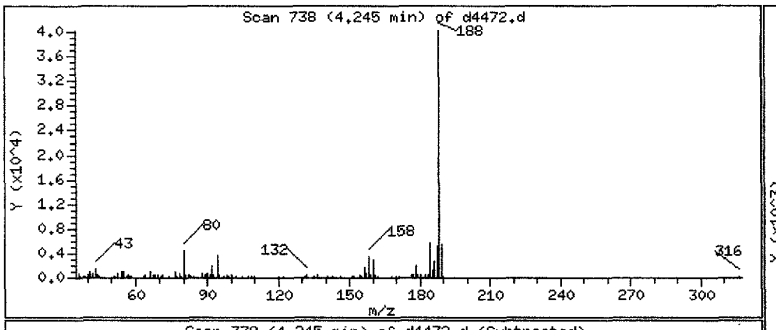
Operator: rrr

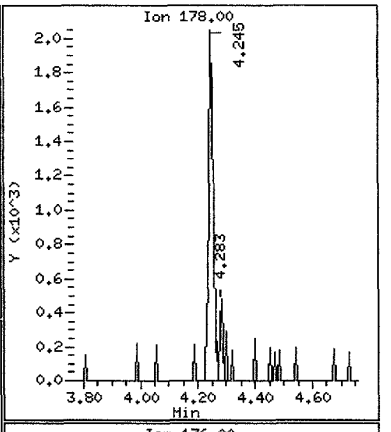
Column phase: RTX-5MS-30M

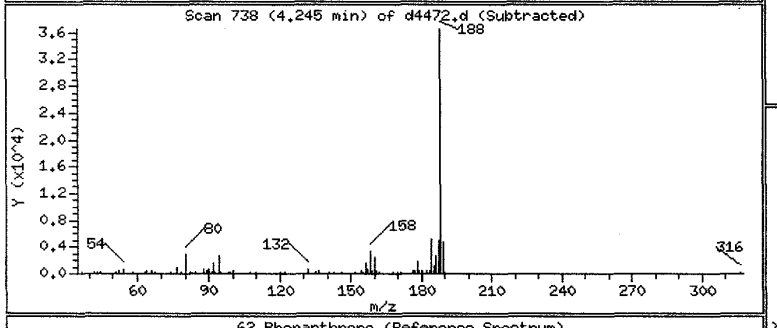
Column diameter: 0.25

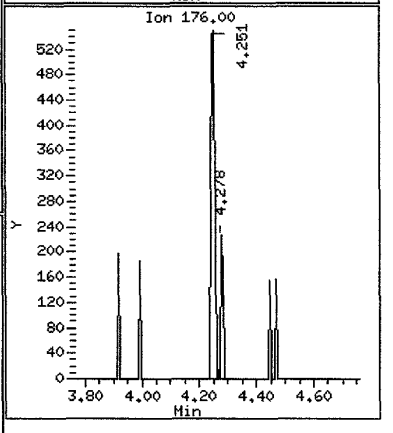
62 Phenanthrene

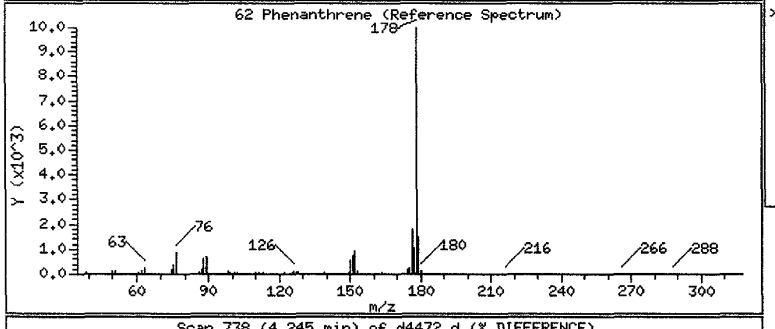
Concentration: 3.66 ug/Kg

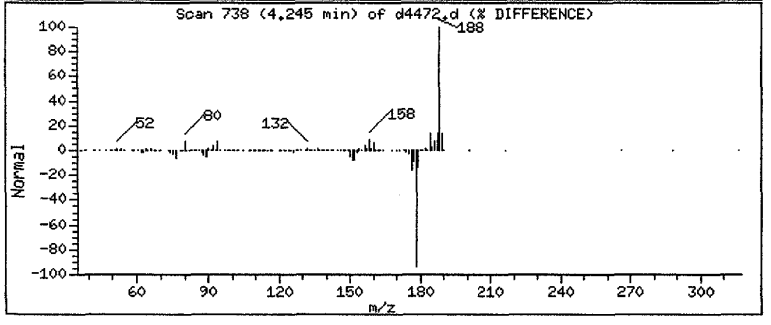












Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

Client ID: 20612072812

Instrument: MSSV5.i

Sample Info: 20612072812x4482x

Volume Injected (uL): 1.0

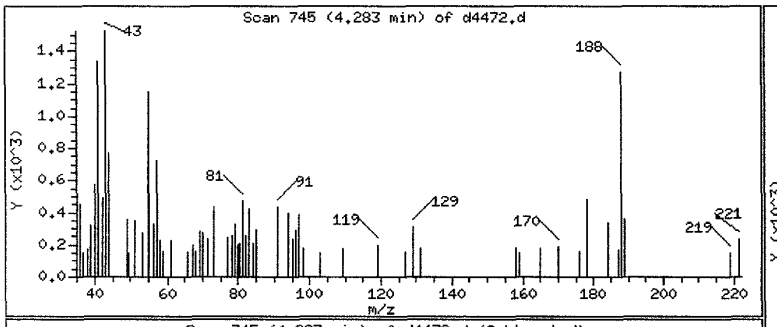
Operator: rrr

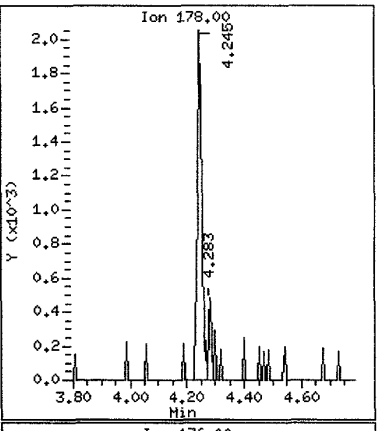
Column phase: RTX-5MS-30M

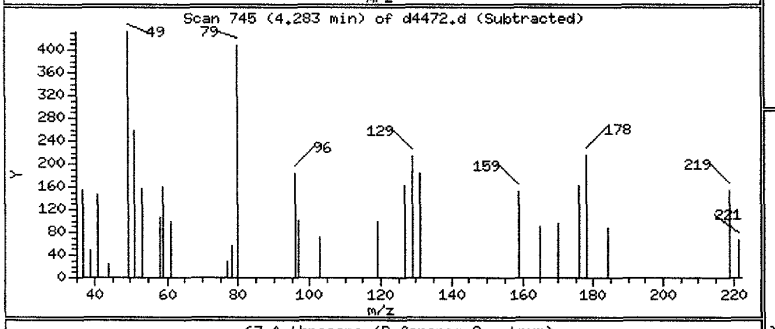
Column diameter: 0.25

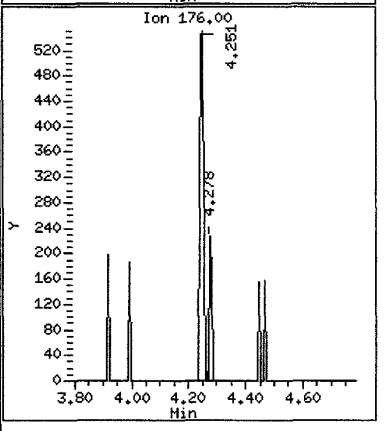
63 Anthracene

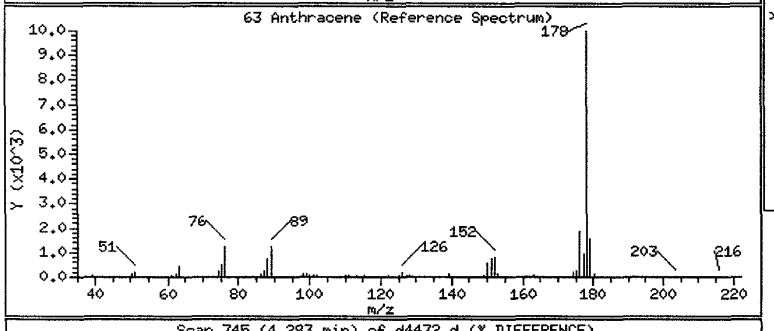
Concentration: 0.524 ug/Kg

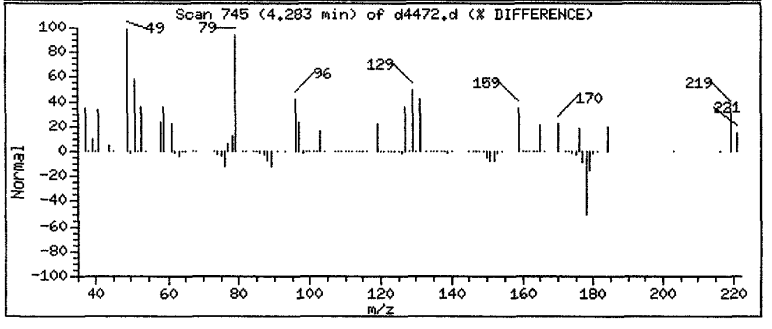












Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

Client ID: 20612072812

Instrument: MSSV5.i

Sample Info: 20612072812x4482x

Volume Injected (uL): 1.0

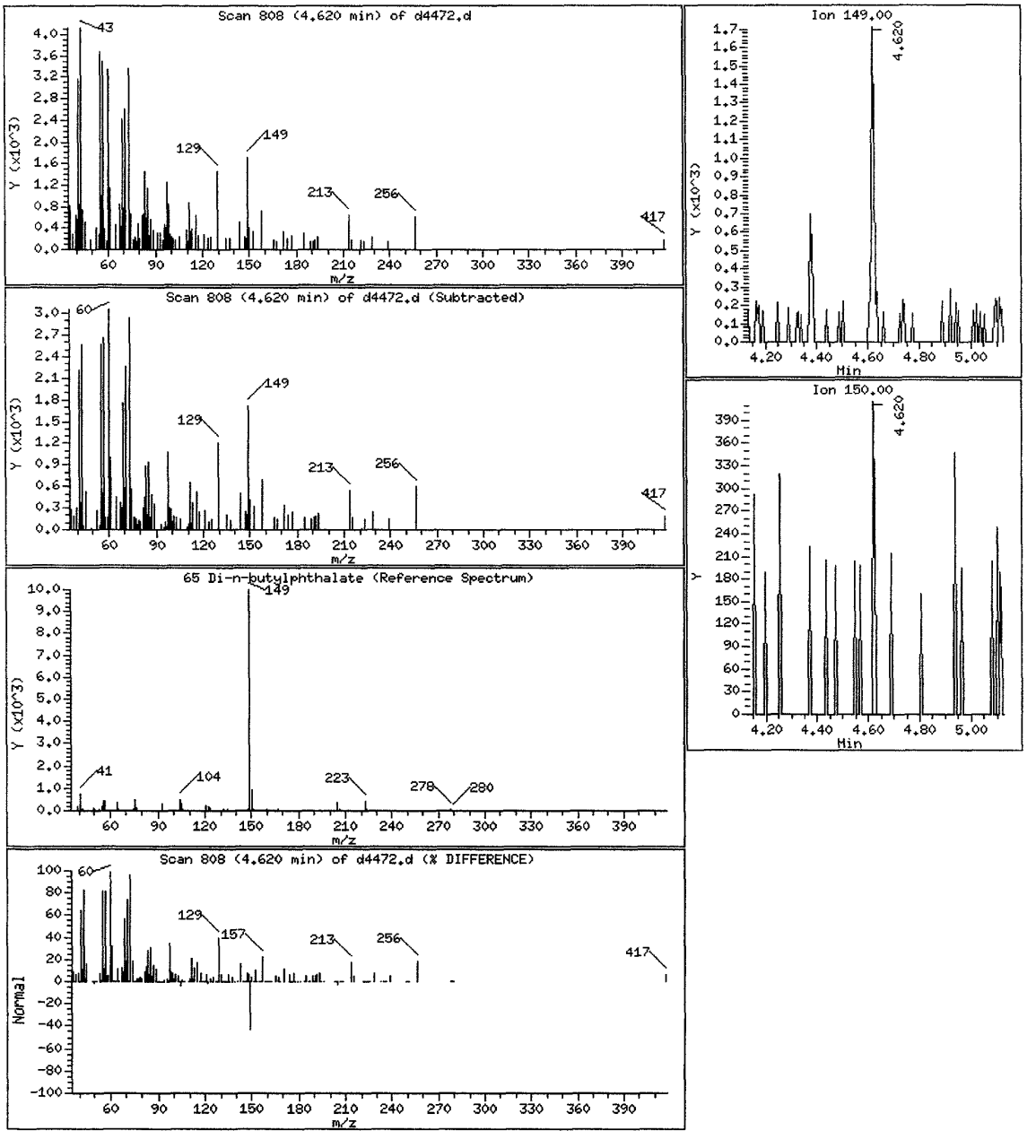
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

65 Di-n-butylphthalate

Concentration: 2.09 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

Client ID: 20612072812

Instrument: MSSV5.i

Sample Info: 20612072812*4482*

Volume Injected (uL): 1.0

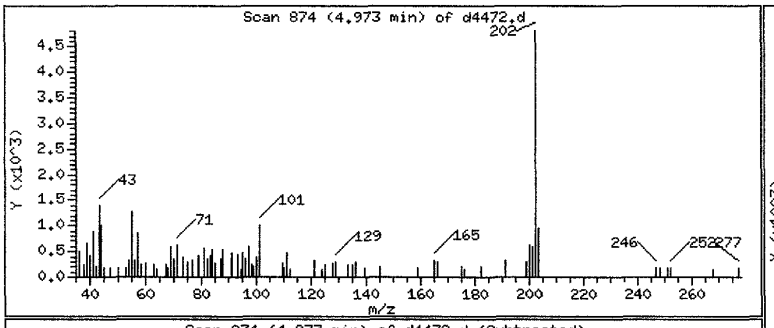
Operator: rrr

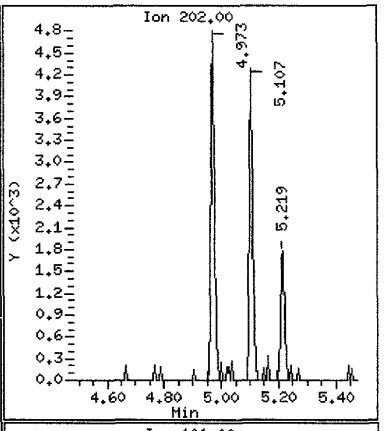
Column phase: RTX-5MS-30M

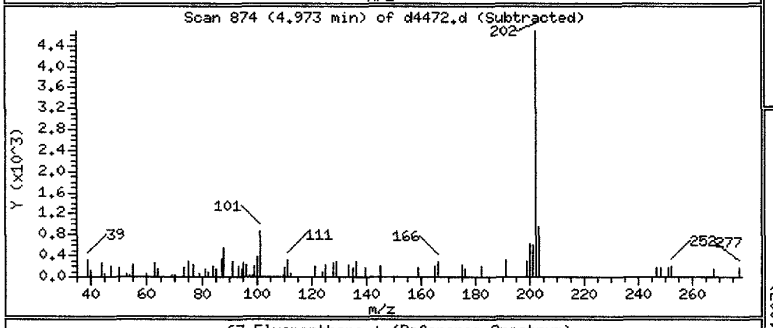
Column diameter: 0.25

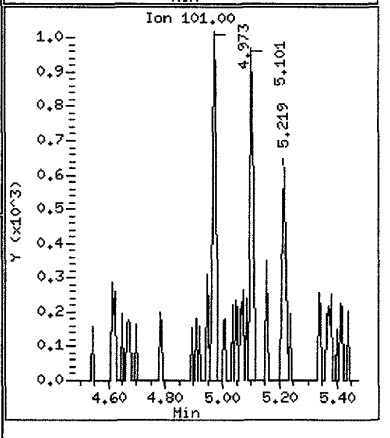
67 Fluoranthene +

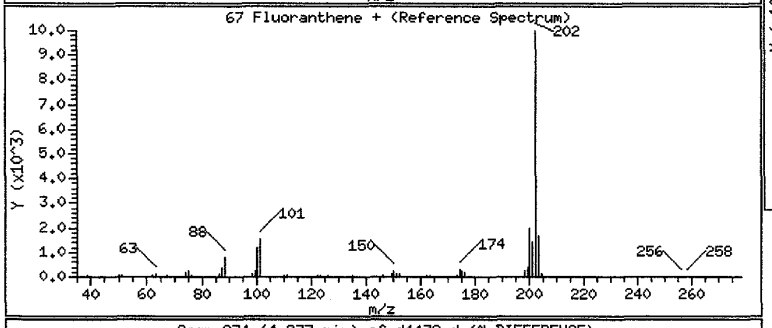
Concentration: 7.16 ug/Kg

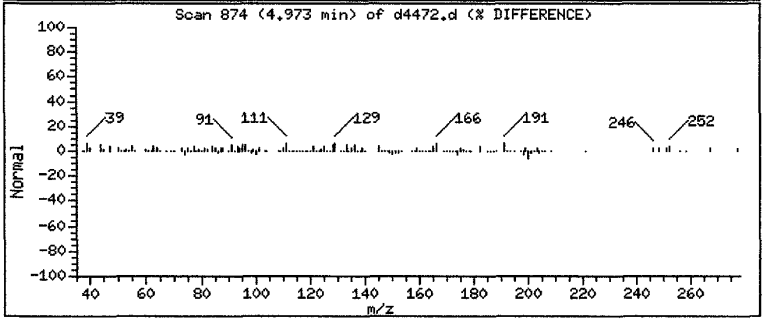












Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

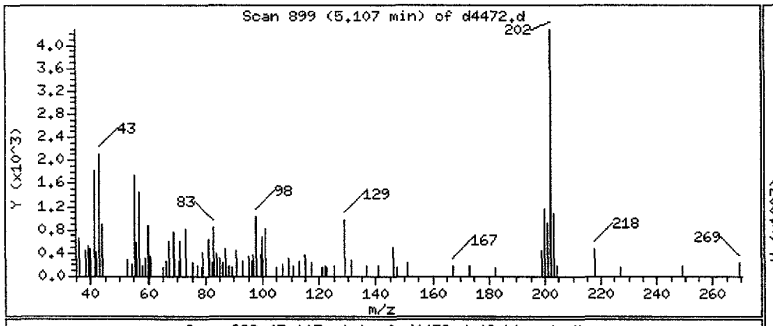
Client ID: 20612072812 Instrument: MSSV5.i

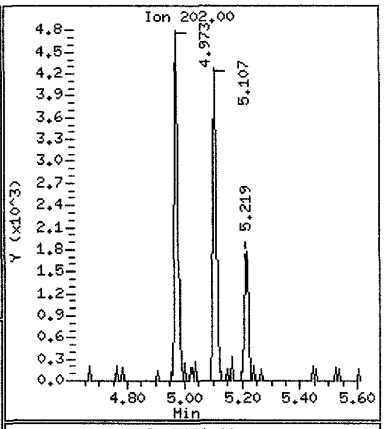
Sample Info: 20612072812x4482x

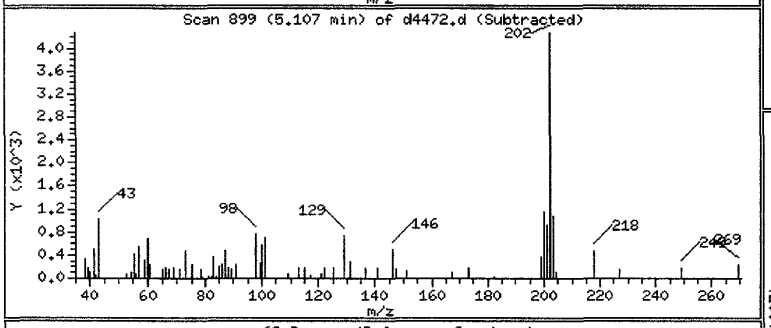
Volume Injected (uL): 1.0 Operator: rrr

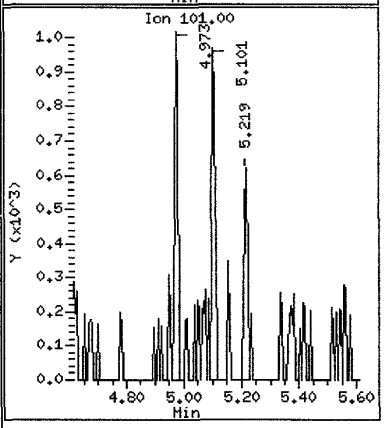
Column phase: RTX-5MS-30M Column diameter: 0.25

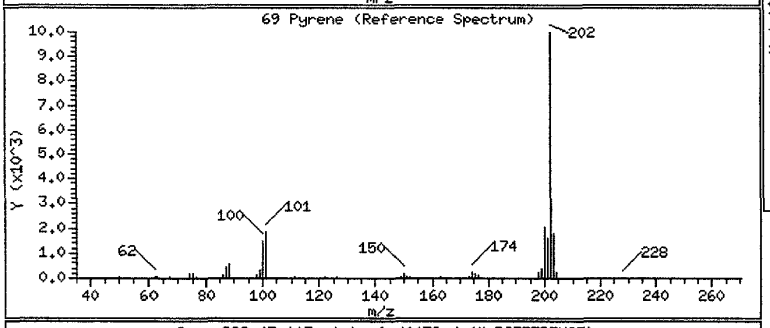
69 Pyrene Concentration: 6.66 ug/Kg

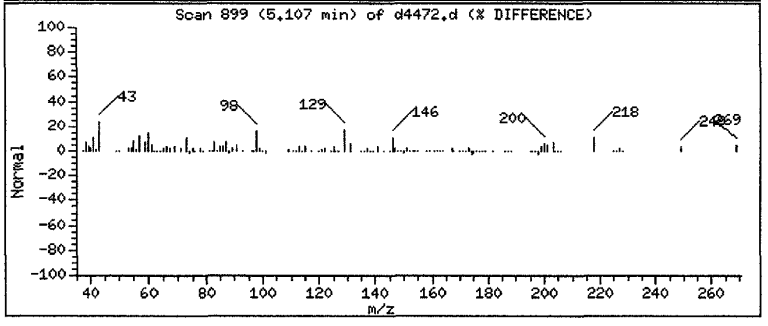












Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

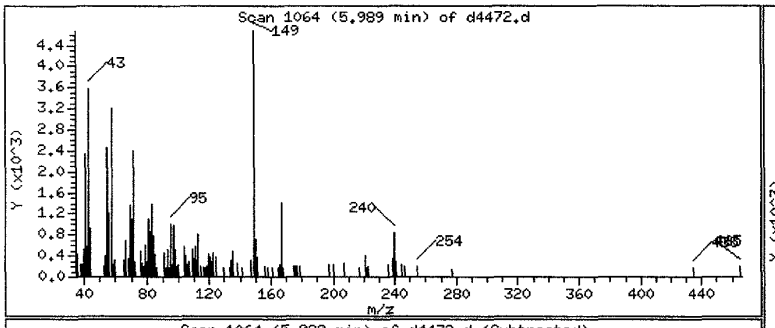
Client ID: 20612072812 Instrument: MSSV5.i

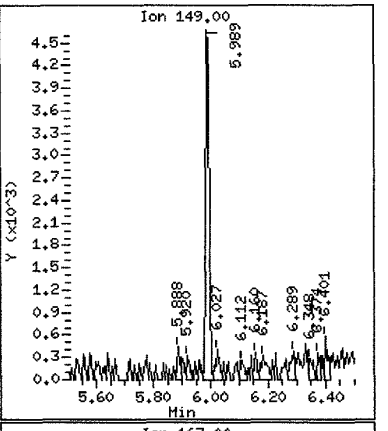
Sample Info: 20612072812x4482x

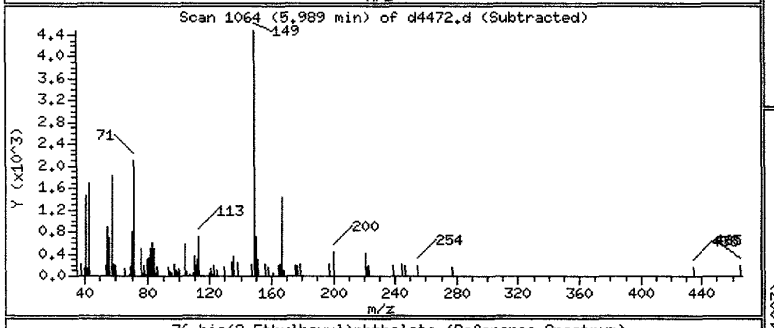
Volume Injected (uL): 1.0 Operator: rrr

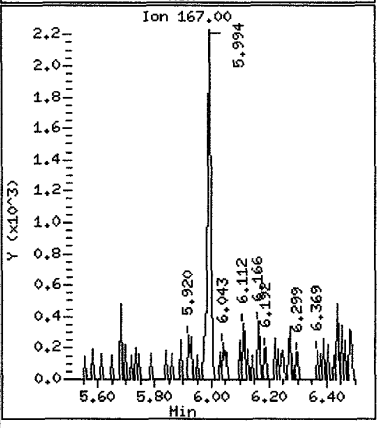
Column phase: RTX-5MS-30M Column diameter: 0.25

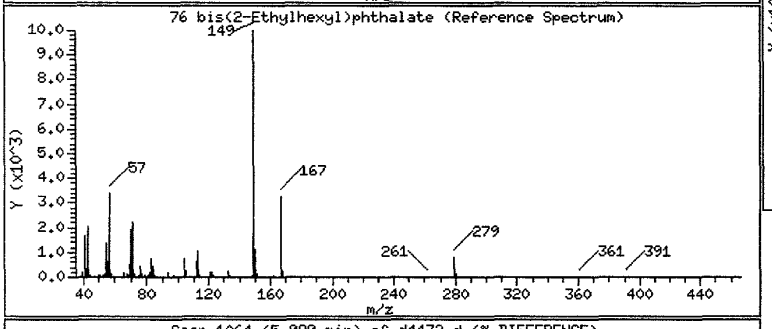
76 bis(2-Ethylhexyl)phthalate Concentration: 13.1 ug/Kg

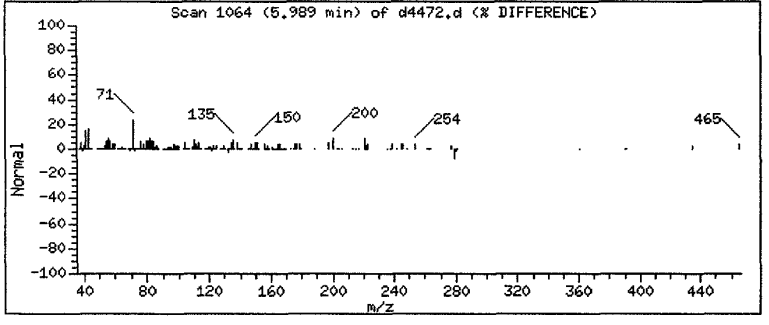












Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

Client ID: 20612072812

Instrument: MSSV5.i

Sample Info: 20612072812x4482x

Volume Injected (uL): 1.0

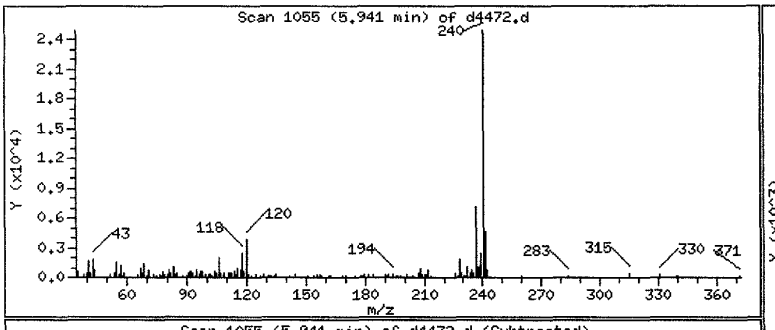
Operator: rrr

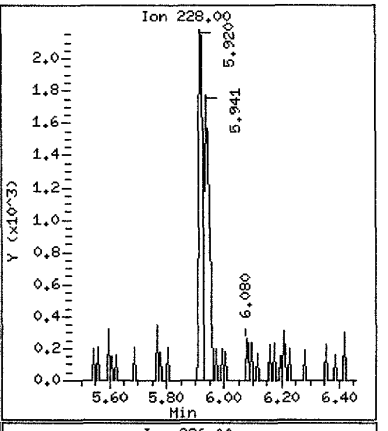
Column phase: RTX-5MS-30M

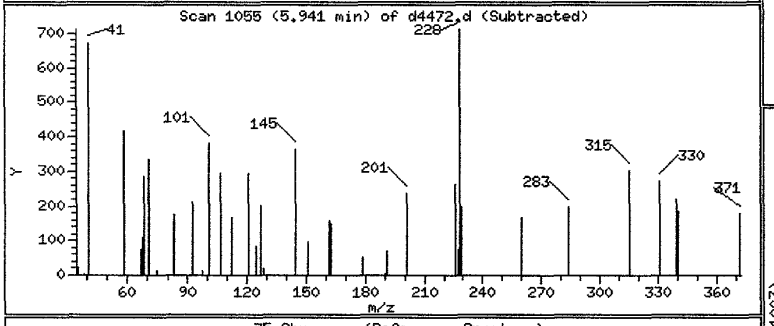
Column diameter: 0.25

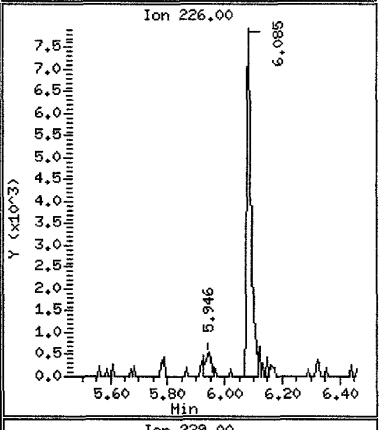
75 Chrysene

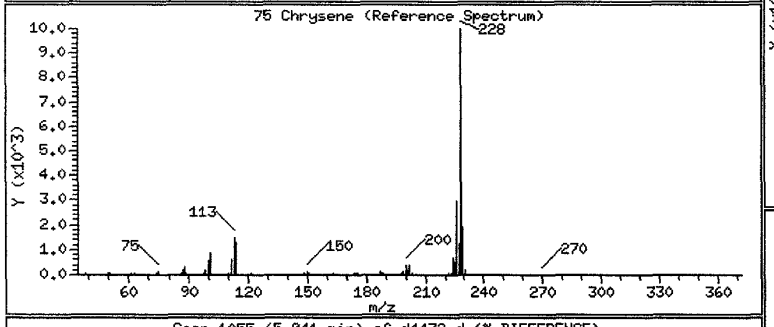
Concentration: 5.11 ug/Kg

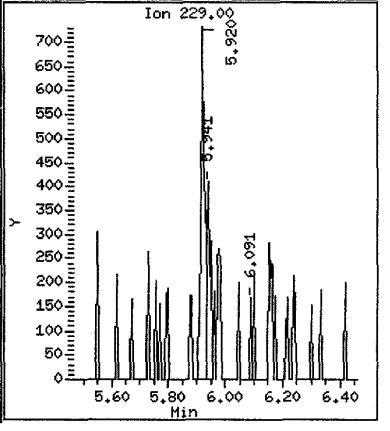


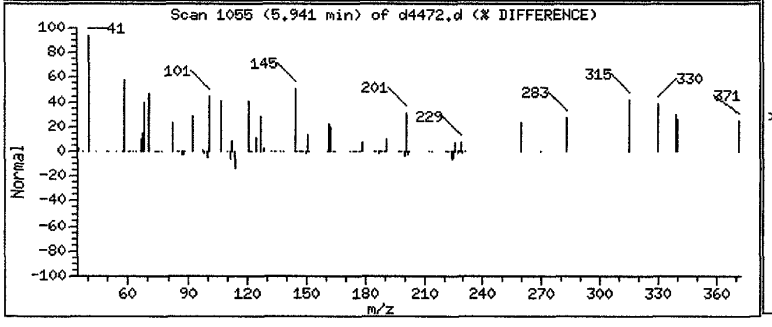












Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

Client ID: 20612072812

Instrument: MSSV5.i

Sample Info: 20612072812*4482*

Volume Injected (uL): 1.0

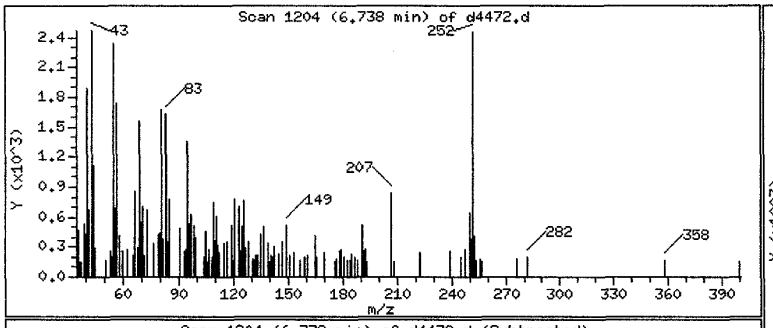
Operator: rrr

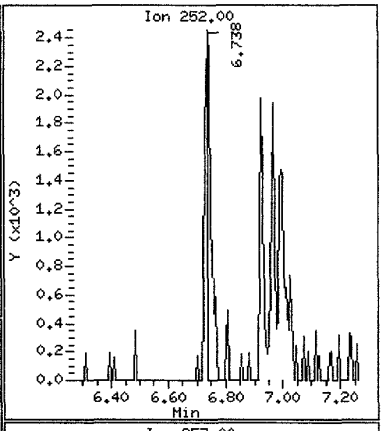
Column phase: RTX-5MS-30M

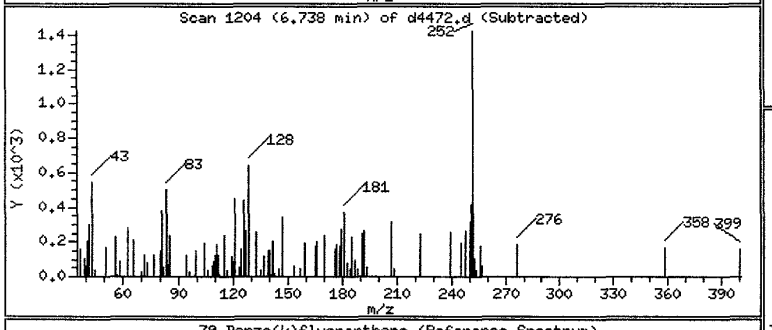
Column diameter: 0.25

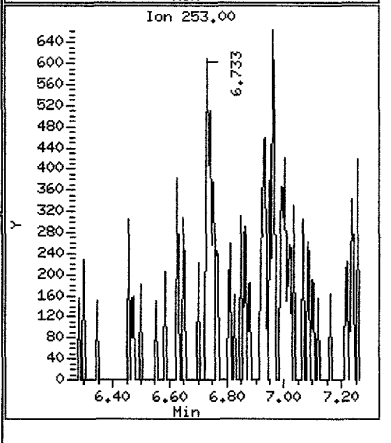
79 Benzo(k)fluoranthene

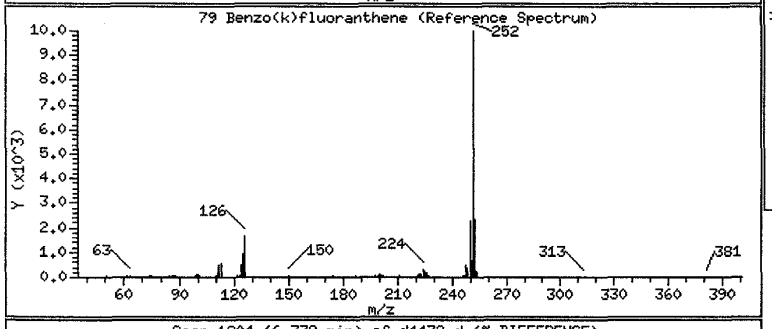
Concentration: 4.78 ug/Kg

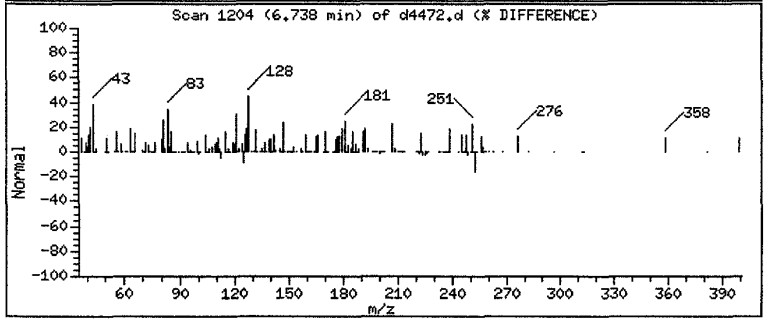












Data File: /var/chem/MSSV5.i/2061211.s.b/d4472.d

Date : 11-DEC-2006 11:11

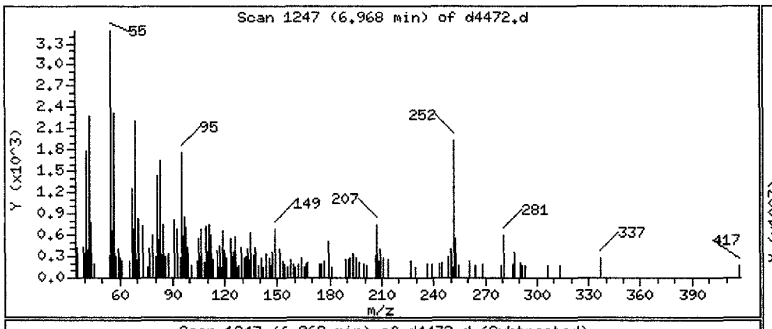
Client ID: 20612072812 Instrument: MSSV5.i

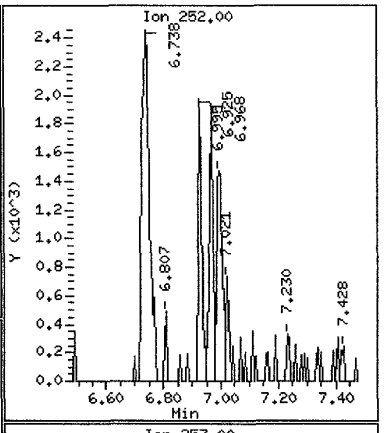
Sample Info: 20612072812x4482x

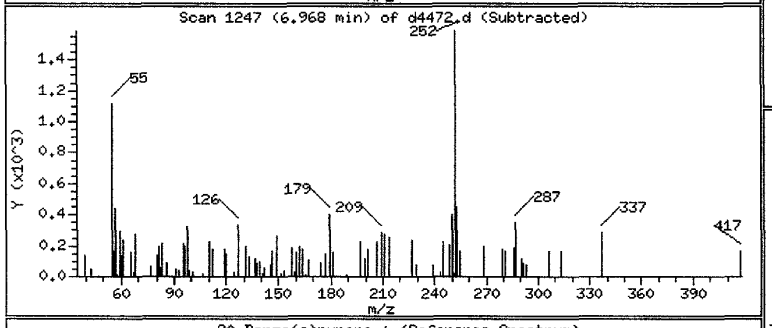
Volume Injected (uL): 1.0 Operator: rrr

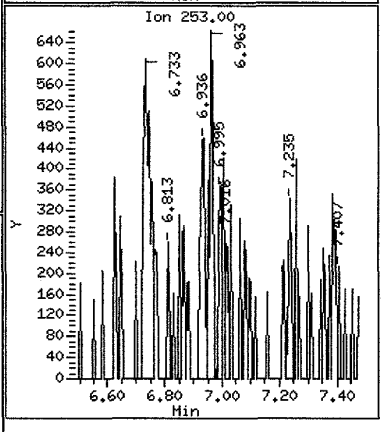
Column phase: RTX-5MS-30M Column diameter: 0.25

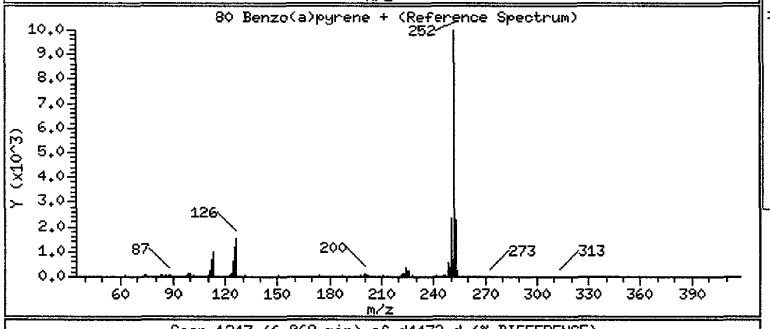
80 Benzo(a)pyrene + Concentration: 4.22 ug/Kg

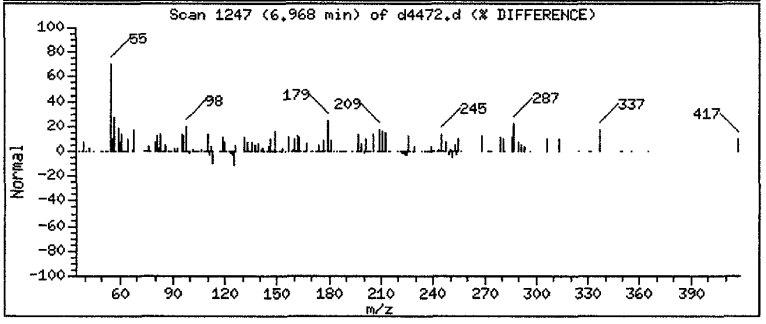








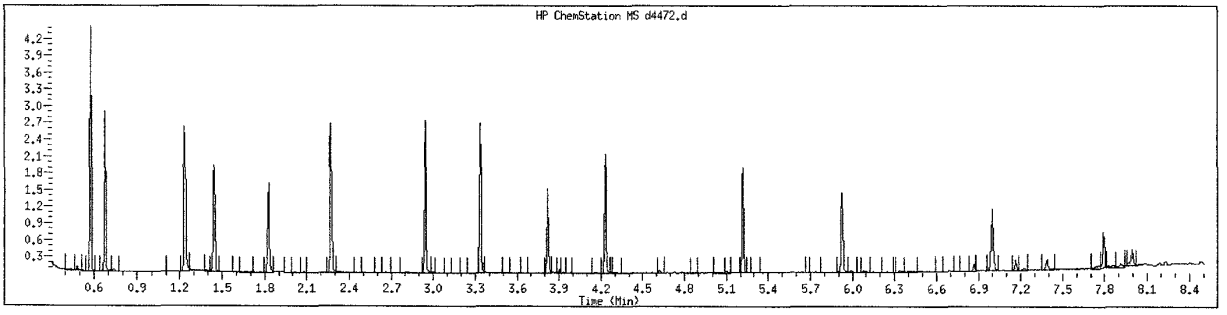




Data file : /var/chem/MSSV5.i/2061211.s.b/d4472.d Page: 1
Report Date: 12/11/2006 16:37

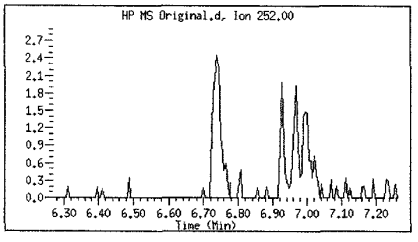
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072812 SampleType : SAMPLE
Injection Date: 11-DEC-2006 11:11 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072812*4482*
Misc Info : 20612072812*MSSV~4095~*120728*30.2-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: 8270C



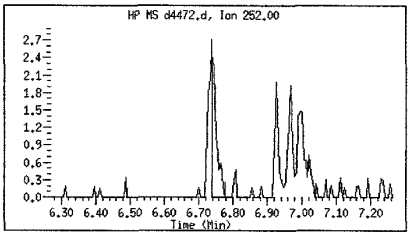
Original Final

79 Benzo(k)fluoranthene CAS#: 207-08-9 Reason: M2



Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 16:37



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

034569

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 59.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED3-003 (0-0.5)
Contract:
Lab File ID: 2061211/d4473
Lab Sample ID: 20612072813
Date Collected: 12/06/06 Time: 1100
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1126
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.802	U	0.142	0.802
95-95-4	2,4,5-Trichlorophenol	0.802	U	0.182	0.802
88-06-2	2,4,6-Trichlorophenol	0.802	U	0.139	0.802
120-83-2	2,4-Dichlorophenol	0.802	U	0.602	0.802
51-28-5	2,4-Dinitrophenol	8.14	U	0.462	8.14
121-14-2	2,4-Dinitrotoluene	0.802	U	0.653	0.802
606-20-2	2,6-Dinitrotoluene	0.802	U	0.138	0.802
91-58-7	2-Chloronaphthalene	0.802	U	0.588	0.802
95-57-8	2-Chlorophenol	0.802	U	0.602	0.802
91-57-6	2-Methylnaphthalene	0.802	U	0.173	0.802
88-74-4	2-Nitroaniline	4.06	U	0.183	4.06
88-75-5	2-Nitrophenol	0.802	U	0.233	0.802
91-94-1	3,3'-Dichlorobenzidine	1.46	U	1.36	1.46
99-09-2	3-Nitroaniline	4.06	U	0.160	4.06
534-52-1	2-Methyl-4,6-dinitrophenol	4.06	U	0.304	4.06
59-50-7	4-Chloro-3-methylphenol	0.802	U	0.241	0.802
106-47-8	4-Chloroaniline	1.21	U	0.991	1.21
7005-72-3	4-Chlorophenyl-phenylether	0.802	U	0.113	0.802
83-32-9	Acenaphthene	0.802	U	0.173	0.802
208-96-8	Acenaphthylene	0.346	J	0.175	0.802
98-86-2	Acetophenone	0.802	U	0.199	0.802
62-53-3	Aniline	1.21	U	1.04	1.21
120-12-7	Anthracene	0.241	J	0.120	0.802
1912-24-9	Atrazine (Aatrex)	1.60	U	0.386	1.60
100-52-7	Benzaldehyde	0.802	U	0.639	0.802
92-87-5	Benzidine	8.02	U	7.63	8.02
56-55-3	Benzo(a)anthracene	2.42		0.142	0.802
50-32-8	Benzo(a)pyrene	0.631	J	0.191	0.802
205-99-2	Benzo(b)fluoranthene	0.802	U	0.153	0.802

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 59.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED3-003 (0-0.5)
Contract:
Lab File ID: 2061211/d4473
Lab Sample ID: 20612072813
Date Collected: 12/06/06 Time: 1100
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1126
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	1.52		0.649	0.802
207-08-9	Benzo(k)fluoranthene	0.802	U	0.216	0.802
65-85-0	Benzoic acid	4.06	U	3.74	4.06
100-51-6	Benzyl alcohol	0.802	U	0.176	0.802
92-52-4	Biphenyl	0.802	U	0.134	0.802
111-91-1	Bis(2-Chloroethoxy)methane	0.802	U	0.125	0.802
111-44-4	Bis(2-Chloroethyl)ether	0.875	U	0.872	0.875
108-60-1	bis(2-Chloroisopropyl)ether	0.802	U	0.789	0.802
117-81-7	bis(2-ethylhexyl)phthalate	0.802	U	0.381	0.802
101-55-3	4-Bromophenyl-phenylether	0.802	U	0.299	0.802
85-68-7	Butylbenzylphthalate	0.802	U	0.185	0.802
105-60-2	Caprolactam	0.802	U	0.238	0.802
86-74-8	Carbazole	0.802	U	0.165	0.802
218-01-9	Chrysene	2.73		0.255	0.802
84-74-2	Di-n-butylphthalate	0.802	U	0.161	0.802
117-84-0	Di-n-octylphthalate	0.802	U	0.168	0.802
53-70-3	Dibenz(a,h)anthracene	2.83		0.748	0.802
132-64-9	Dibenzofuran	0.802	U	0.103	0.802
84-66-2	Diethylphthalate	0.802	U	0.132	0.802
131-11-3	Dimethyl-phthalate	0.802	U	0.476	0.802
105-67-9	2,4-Dimethylphenol	1.34	U	1.32	1.34
206-44-0	Fluoranthene	0.802	U	0.213	0.802
86-73-7	Fluorene	0.802	U	0.135	0.802
118-74-1	Hexachlorobenzene	0.802	U	0.233	0.802
77-47-4	Hexachlorocyclopentadiene	0.802	U	0.593	0.802
67-72-1	Hexachloroethane	1.21	U	1.07	1.21
193-39-5	Indeno(1,2,3-cd)pyrene	1.59		0.554	0.802
78-59-1	Isophorone	0.802	U	0.112	0.802
100-01-6	4-Nitroaniline	4.06	U	0.938	4.06

000186

034571

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 59.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED3-003 (0-0.5)
Contract:
Lab File ID: 2061211/d4473
Lab Sample ID: 20612072813
Date Collected: 12/06/06 Time: 1100
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1126
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.972	U	0.826	0.972
100-02-7	4-Nitrophenol	4.06	U	0.201	4.06
87-86-5	Pentachlorophenol	4.06	U	0.712	4.06
85-01-8	Phenanthrene	0.802	U	0.125	0.802
108-95-2	Phenol	0.802	U	0.166	0.802
129-00-0	Pyrene	0.729	J	0.374	0.802
110-86-1	Pyridine	1.60	U	1.20	1.60
1319-77-3M	m,p-Cresol	0.802	U	0.234	0.802
621-64-7	N-Nitroso-di-n-propylamine	0.802	U	0.182	0.802
62-75-9	N-Nitrosodimethylamine	1.60	U	0.964	1.60
86-30-6	N-Nitrosodiphenylamine	0.802	U	0.265	0.802
95-48-7	o-Cresol	0.802	U	0.408	0.802

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4473.d
Lab Smp Id: 20612072813 Client Smp ID: 20612072813
Inj Date : 11-DEC-2006 11:26
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072813*4482*
Misc Info : 20612072813*MSSV~4095~*120728*30.1-1X10*33846
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 28
Dil Factor: 10.00000
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	10.00000	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)
$	3 2-Fluorophenol	112	0.672	0.678	(0.468)	35511	9.53189	3180
$	4 Phenol-d5	99	1.234	1.256	(0.859)	82899	9.67285	3220
*	10 1,4-Dichlorobenzene-d4	152	1.437	1.448	(1.000)	185357	40.0000	
$	19 Nitrobenzene-d5	82	1.833	1.839	(0.807)	38441	4.70436	1570
*	28 Naphthalene-d8	136	2.272	2.282	(1.000)	728499	40.0000	
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	59154	4.98300	1660
	42 Acenaphthylene	152	3.261	3.261	(0.976)	5963	0.42455	142(H)
*	44 Acenaphthene-d10	164	3.341	3.347	(1.000)	368723	40.0000	
$	57 2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	14572	8.40707	2800
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	568209	40.0000	
	63 Anthracene	178	4.283	4.288	(1.011)	5241	0.29686	99.0

034573

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	69 Pyrene	202	5.106	5.112	(0.861)	16262	0.89708	299
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	50221	4.52923	1510
	72 Benzo(a)anthracene	228	5.941	5.936	(1.002)	49045	2.98116	994
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	454724	40.0000	
	75 Chrysene	228	5.941	5.962	(1.002)	49045	3.36998	1120 (H)
	80 Benzo(a)pyrene +	252	6.968	6.979	(0.995)	14226	0.77772	259
*	81 Perylene-d12	264	7.005	7.016	(1.000)	537408	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.754	7.759	(1.308)	14720	1.96093	654
	83 Dibenzo(a,h)anthracene	278	7.765	7.770	(1.108)	9708	3.47326	1160
	84 Benzo(g,h,i)perylene	276	7.925	7.925	(1.131)	36137	1.86917	623

QC Flag Legend

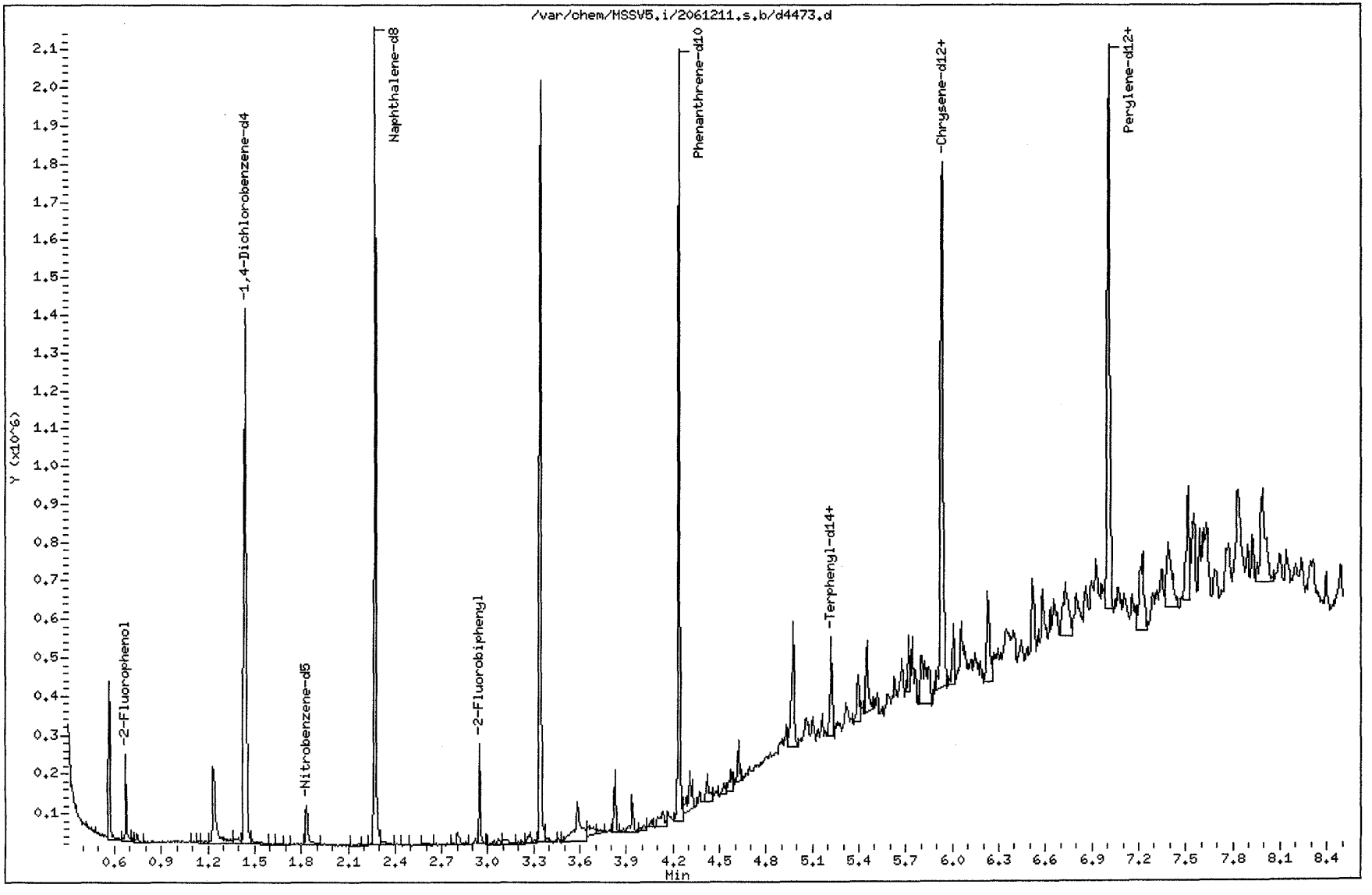
H - Operator selected an alternate compound hit.

034574

064000

Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d
Date : 11-DEC-2006 11:26
Client ID: 20612072813
Sample Info: 20612072813*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



034575

Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

Client ID: 20612072813

Instrument: MSSV5.i

Sample Info: 20612072813*4482*

Volume Injected (uL): 1.0

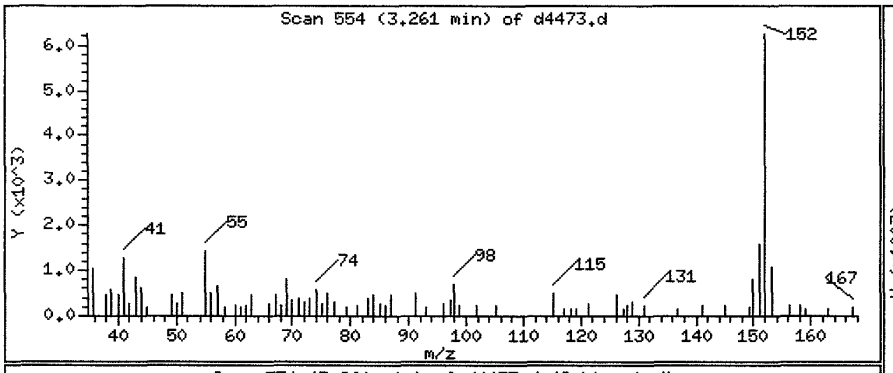
Operator: rrr

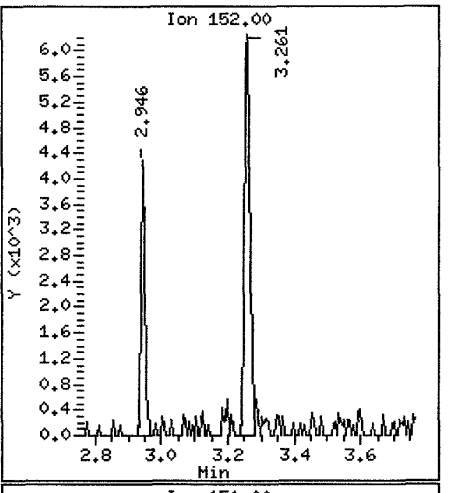
Column phase: RTX-5MS-30M

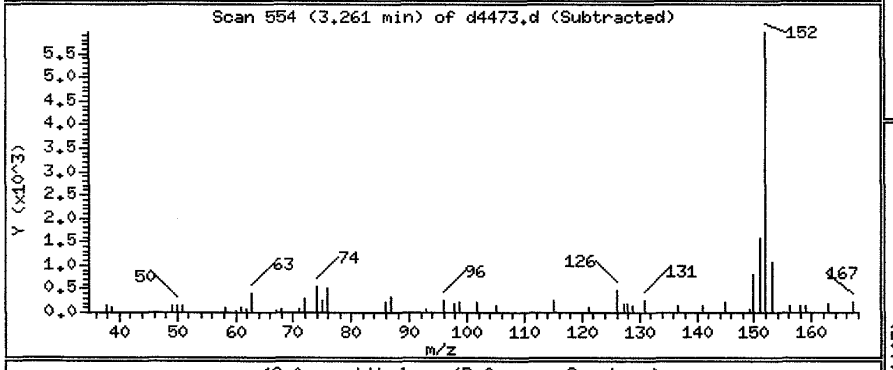
Column diameter: 0.25

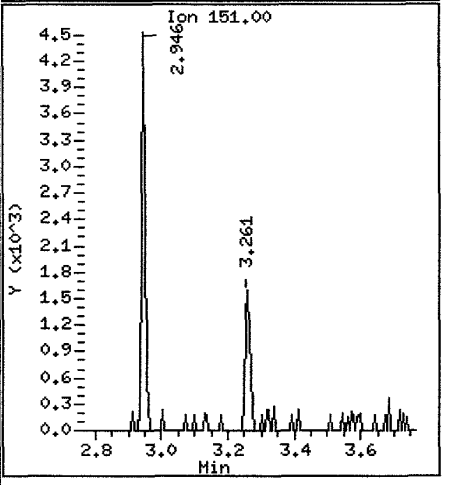
42 Acenaphthylene

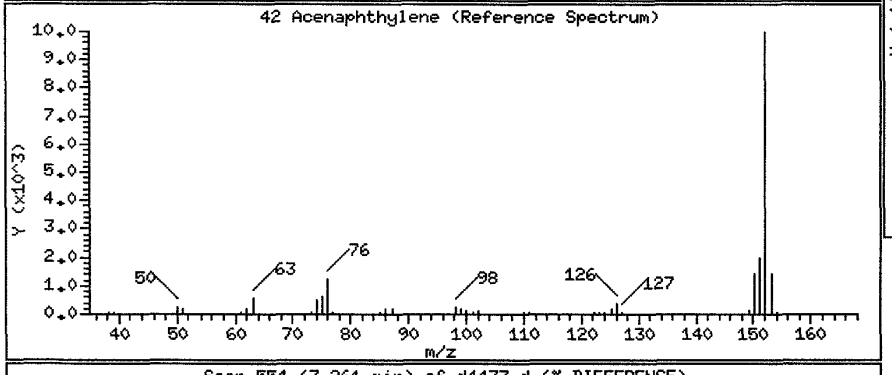
Concentration: 142 ug/Kg

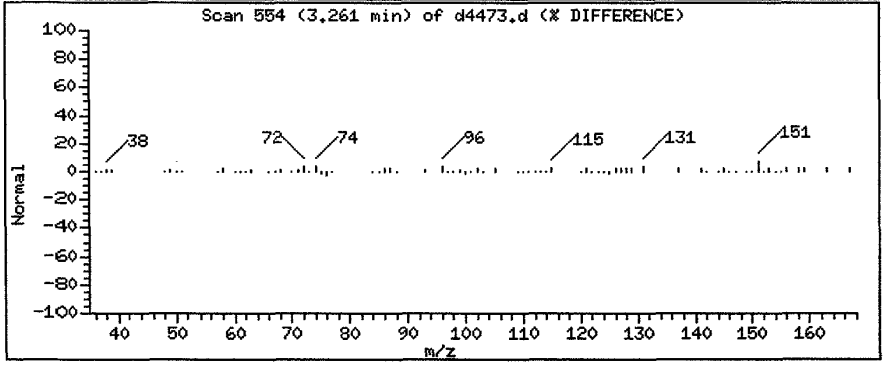












034576

Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

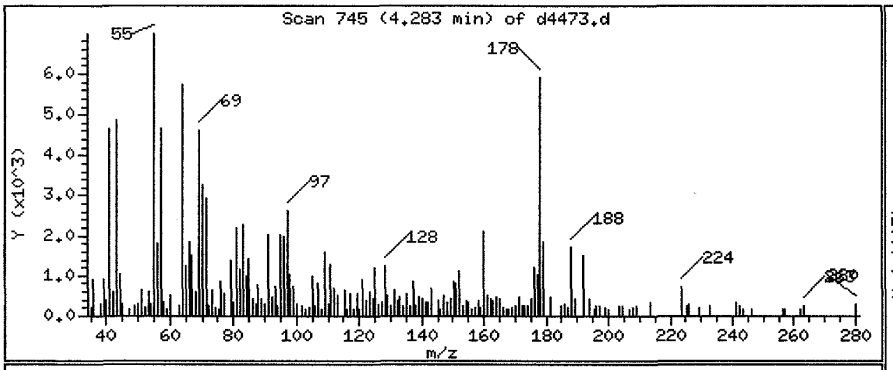
Client ID: 20612072813 Instrument: MSSV5.i

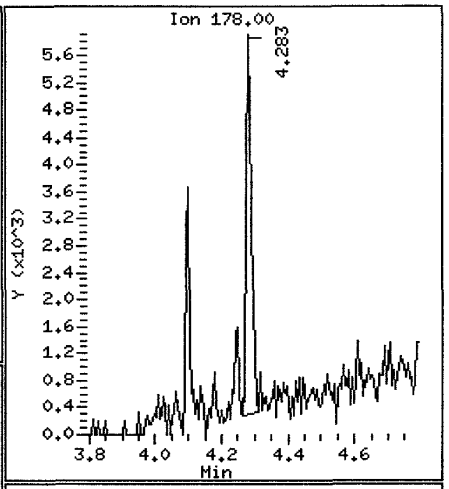
Sample Info: 20612072813*4482*

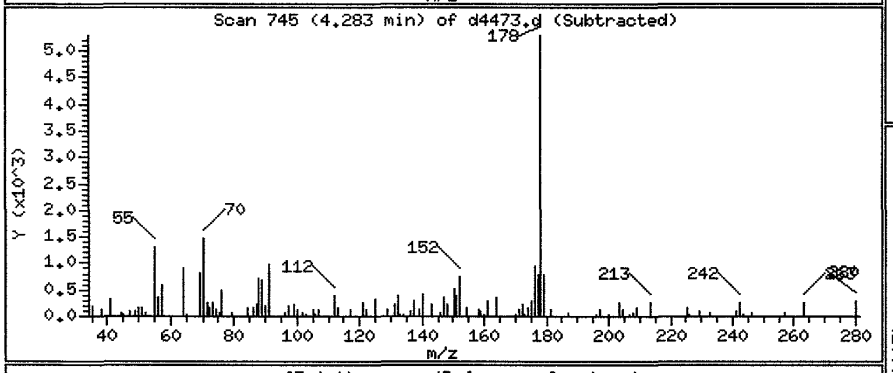
Volume Injected (uL): 1.0 Operator: rrr

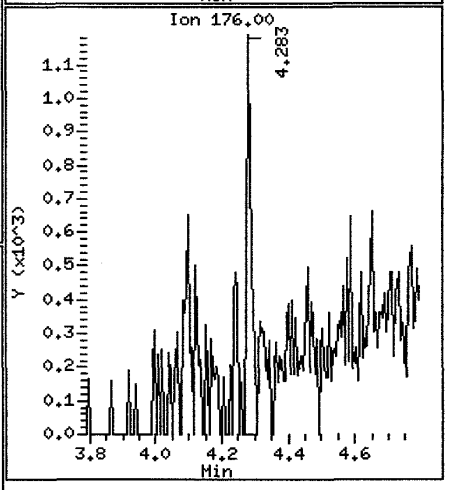
Column phase: RTX-5MS-30M Column diameter: 0.25

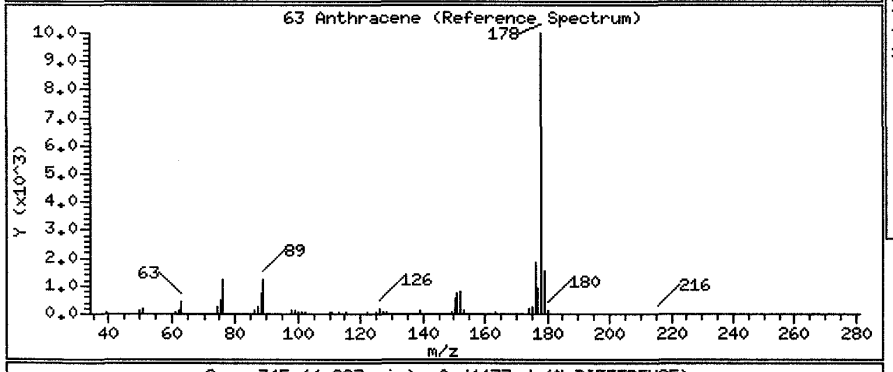
63 Anthracene Concentration: 99.0 ug/Kg

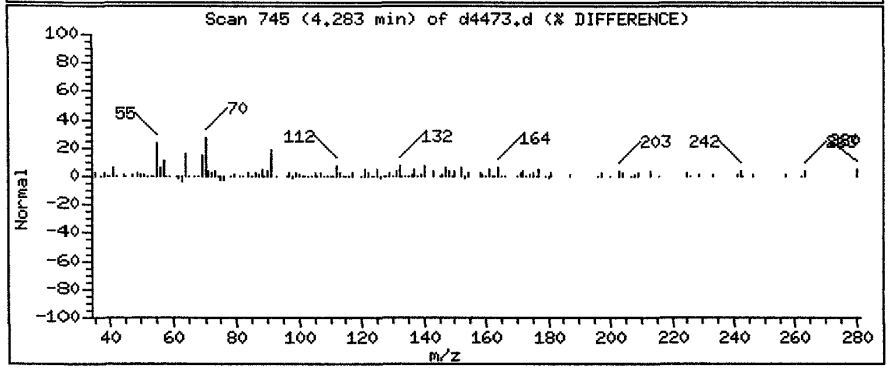












Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

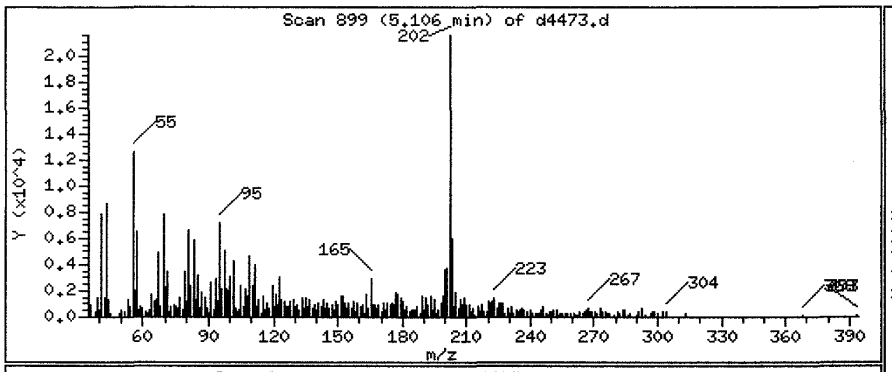
Client ID: 20612072813 Instrument: MSSV5.i

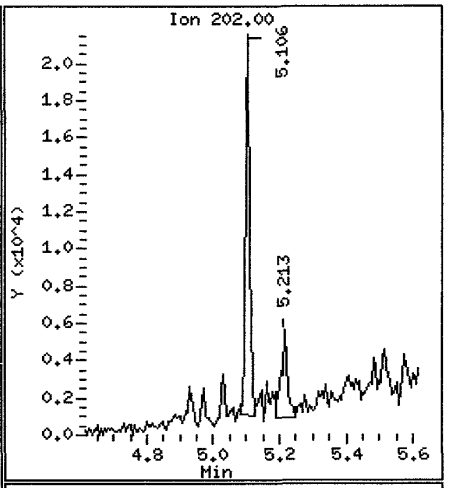
Sample Info: 20612072813*4482*

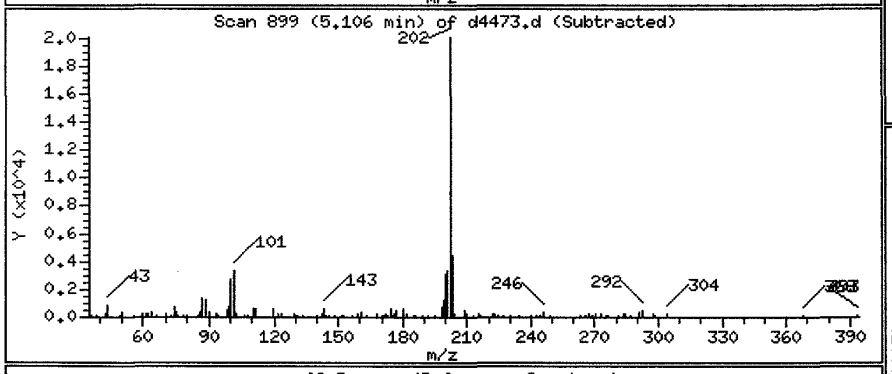
Volume Injected (uL): 1.0 Operator: rrr

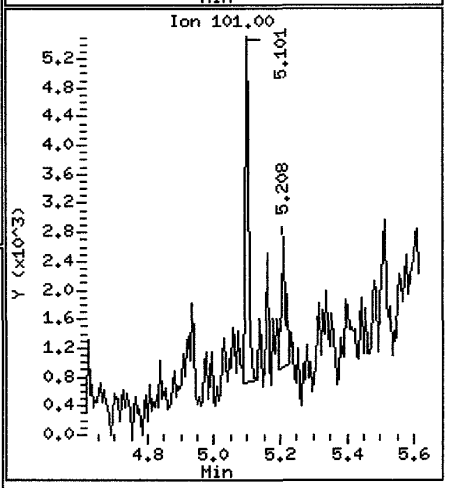
Column phase: RTX-5MS-30M Column diameter: 0.25

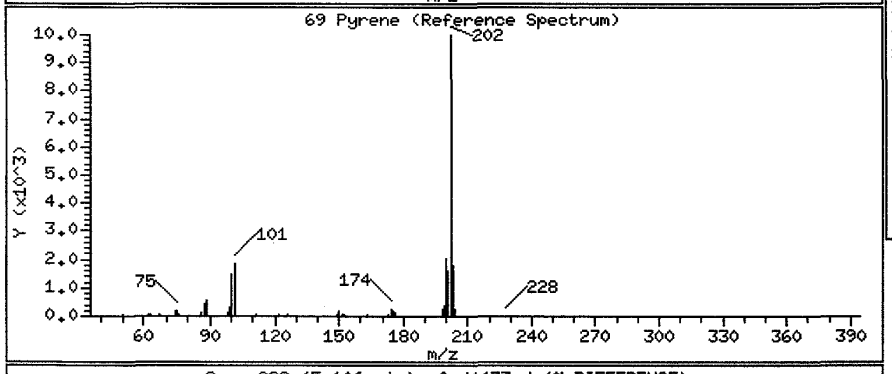
69 Pyrene Concentration: 299 ug/Kg

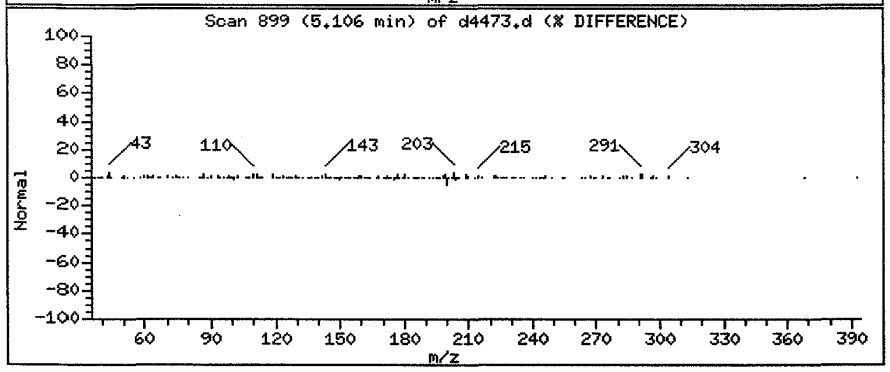












Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

Client ID: 20612072813

Instrument: MSSV5.i

Sample Info: 20612072813x4482x

Volume Injected (uL): 1.0

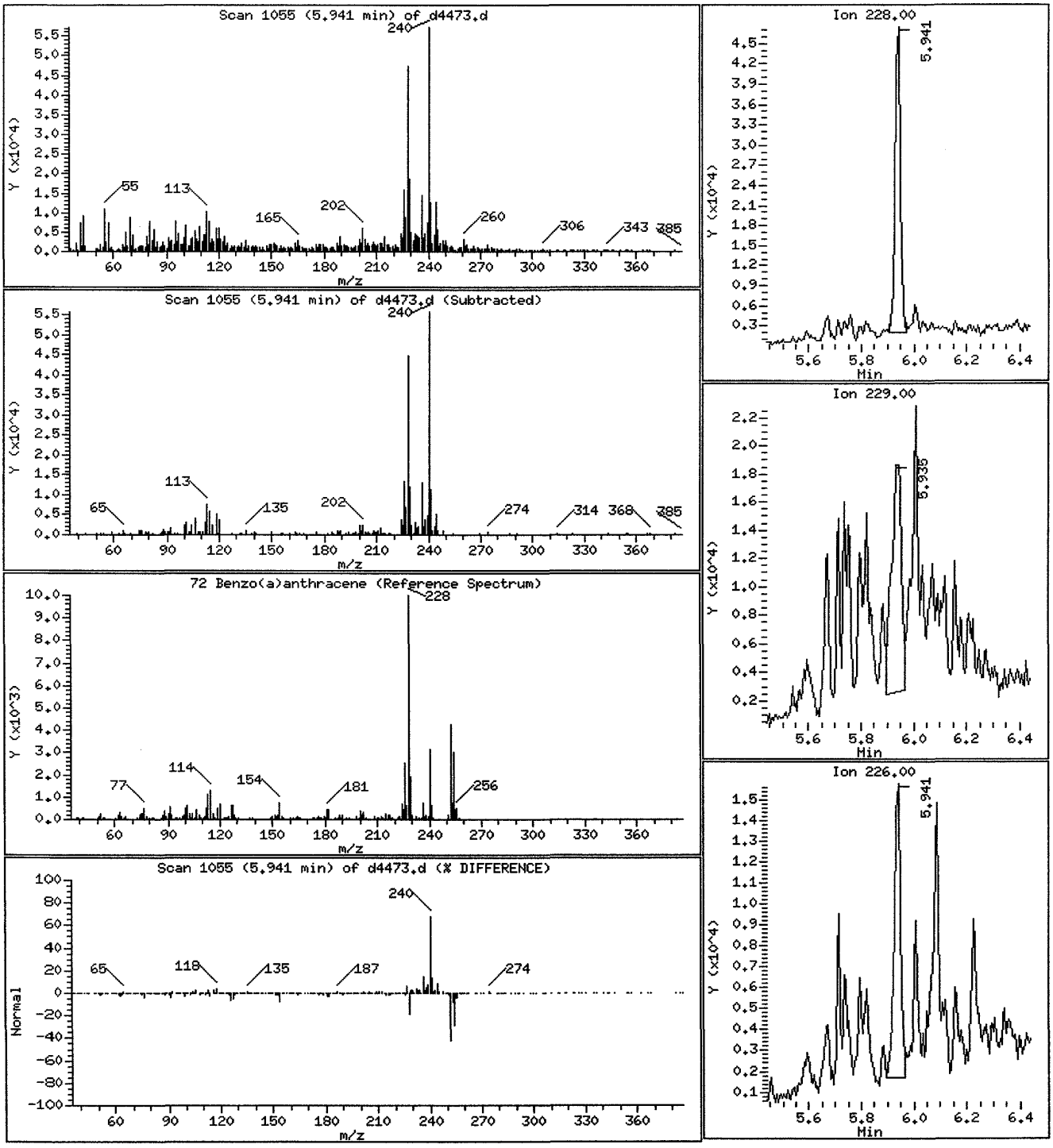
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

72 Benzo(a)anthracene

Concentration: 994 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

Client ID: 20612072813

Instrument: MSSV5.i

Sample Info: 20612072813*4482*

Volume Injected (uL): 1.0

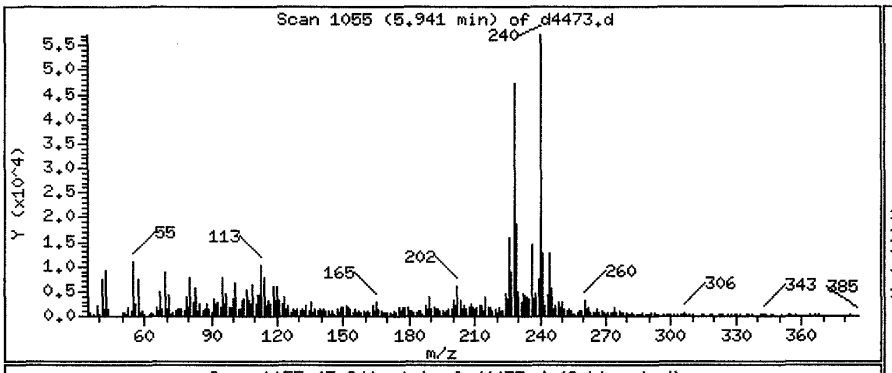
Operator: rrr

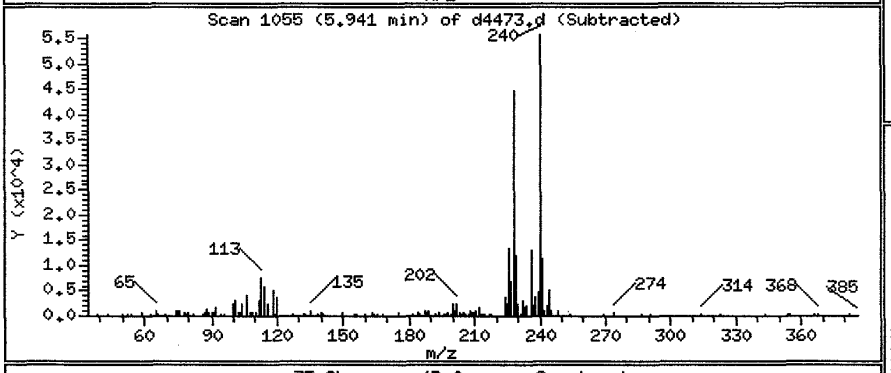
Column phase: RTX-5MS-30M

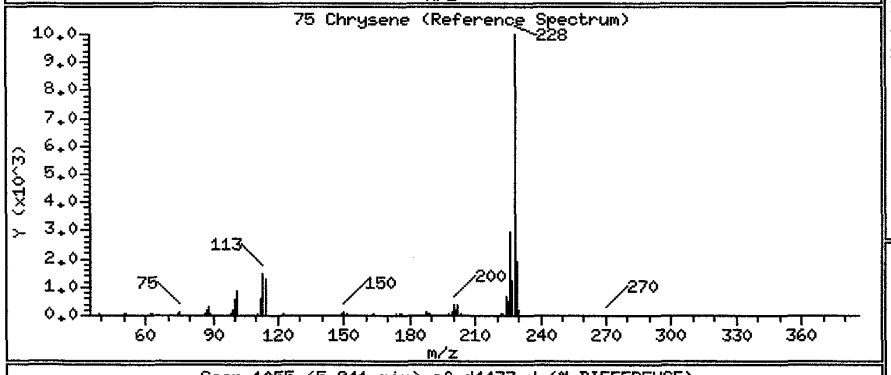
Column diameter: 0.25

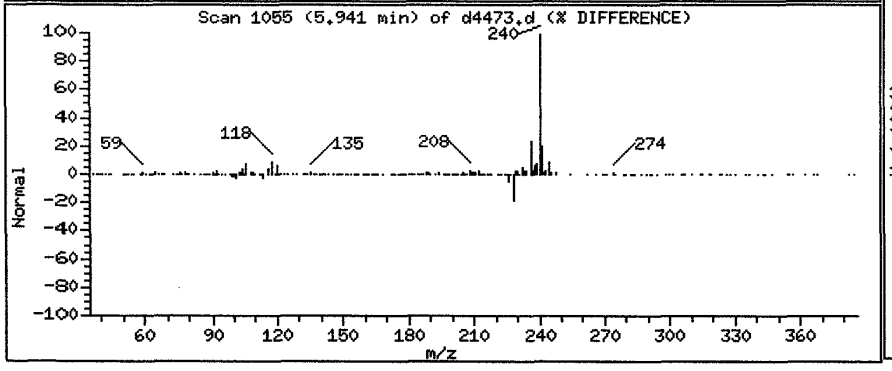
75 Chrysene

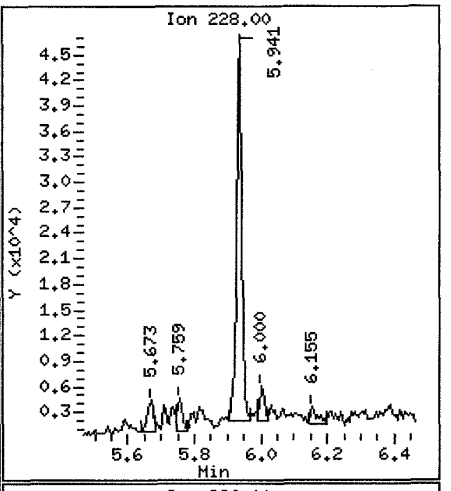
Concentration: 1120 ug/Kg

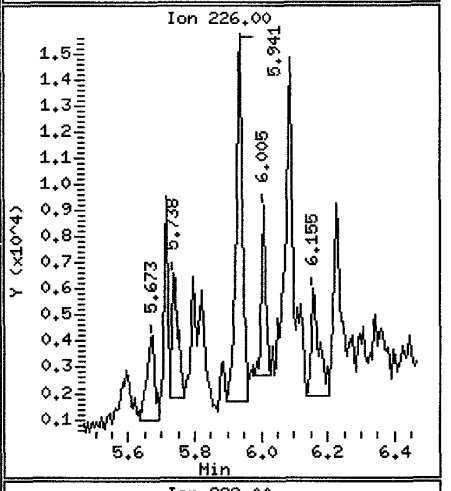


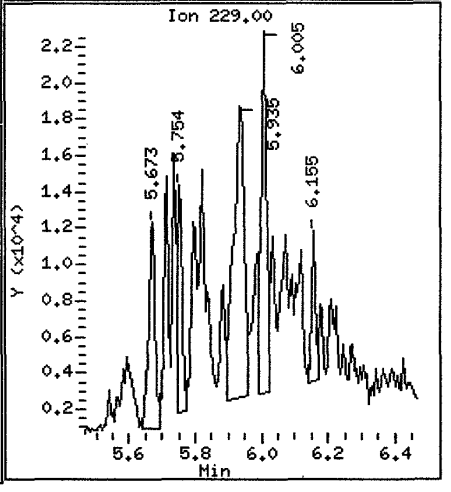












034580

Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

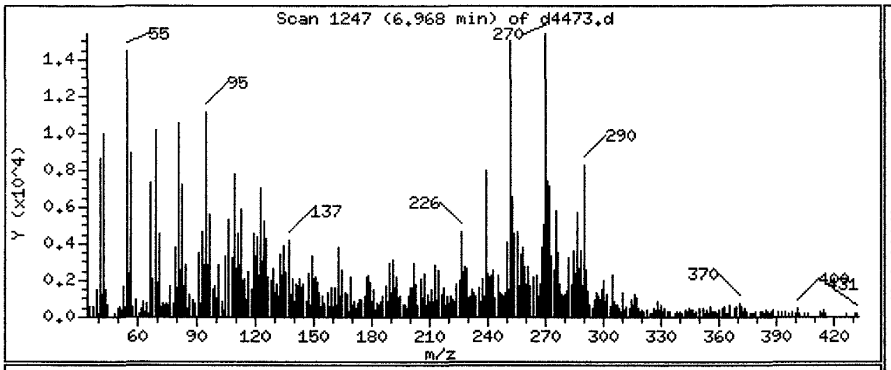
Client ID: 20612072813 Instrument: MSSV5.i

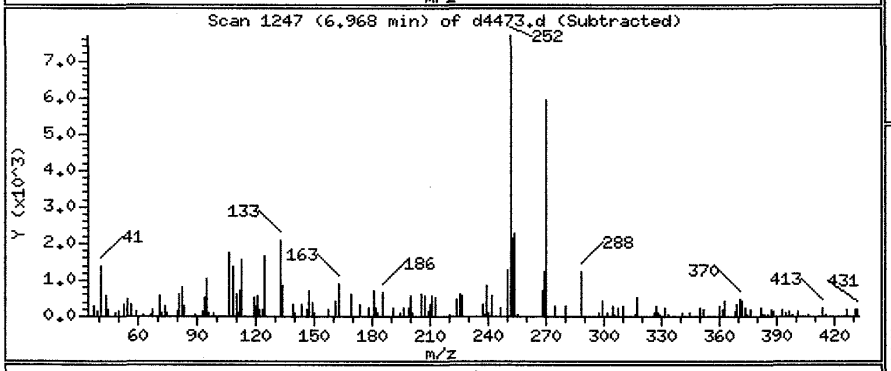
Sample Info: 20612072813*4482*

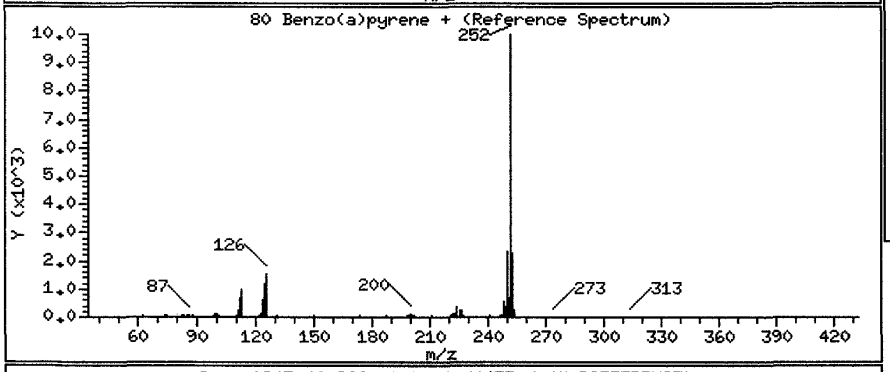
Volume Injected (uL): 1.0 Operator: rrr

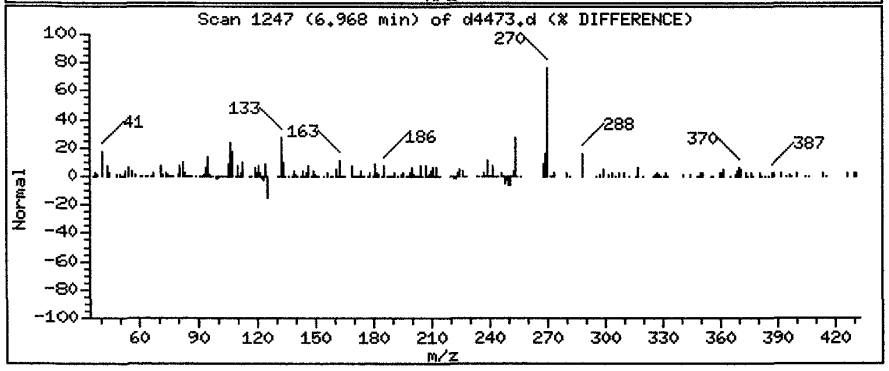
Column phase: RTX-5MS-30M Column diameter: 0.25

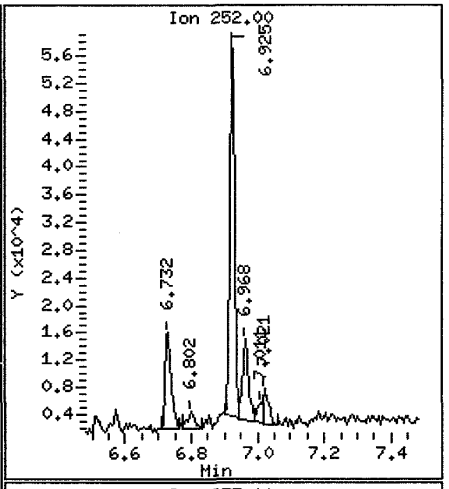
80 Benzo(a)pyrene + Concentration: 259 ug/Kg

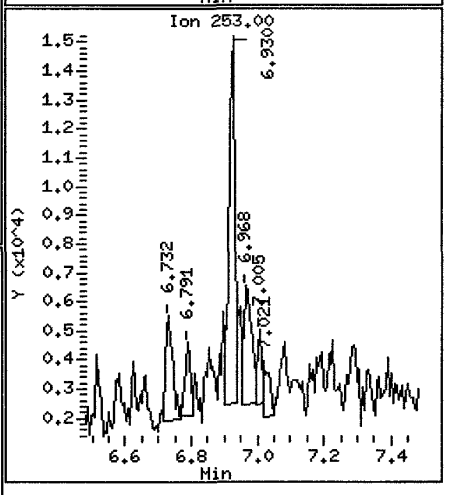












Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

Client ID: 20612072813

Instrument: MSSV5.i

Sample Info: 20612072813*4482*

Volume Injected (uL): 1.0

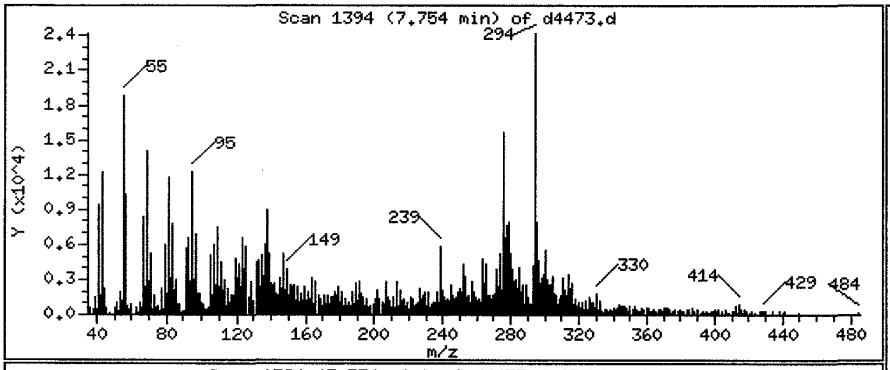
Operator: rrr

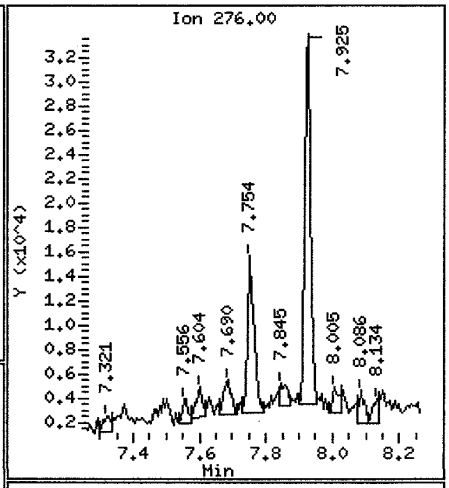
Column phase: RTX-5MS-30M

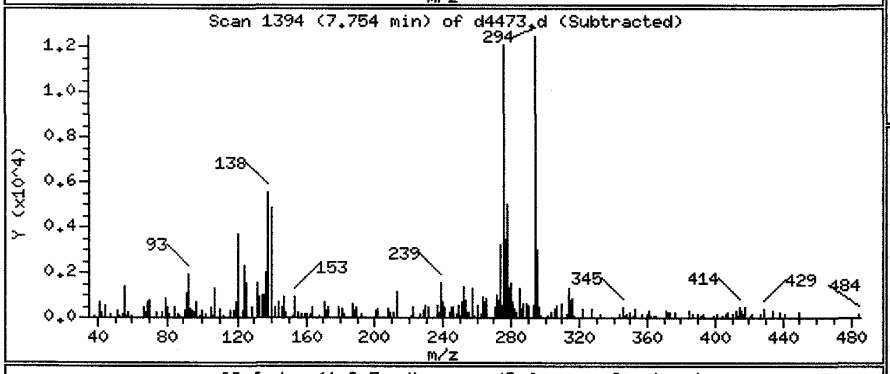
Column diameter: 0.25

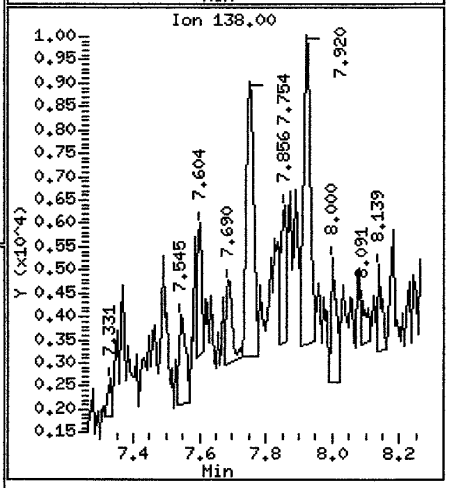
82 Indeno(1,2,3-cd)pyrene

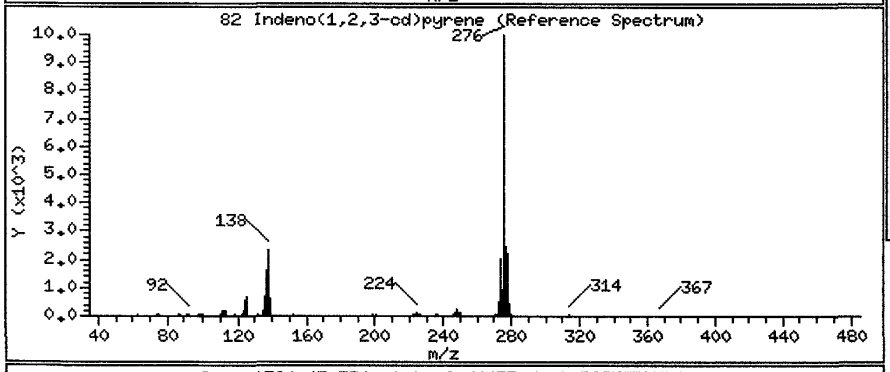
Concentration: 654 ug/Kg

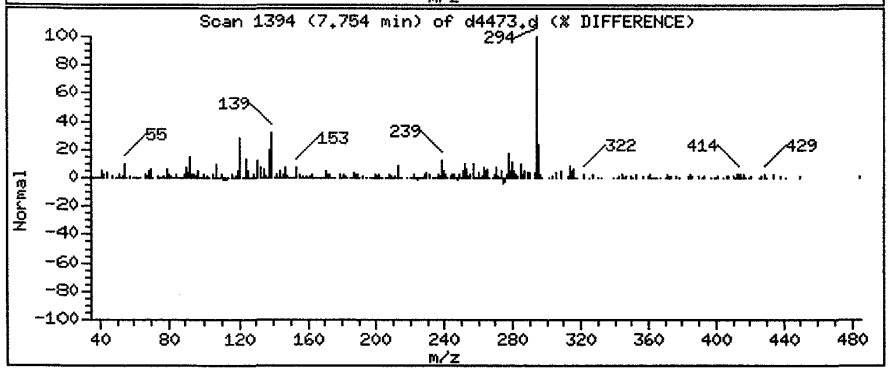












Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

Client ID: 20612072813

Instrument: MSSV5.i

Sample Info: 20612072813*4482*

Volume Injected (uL): 1.0

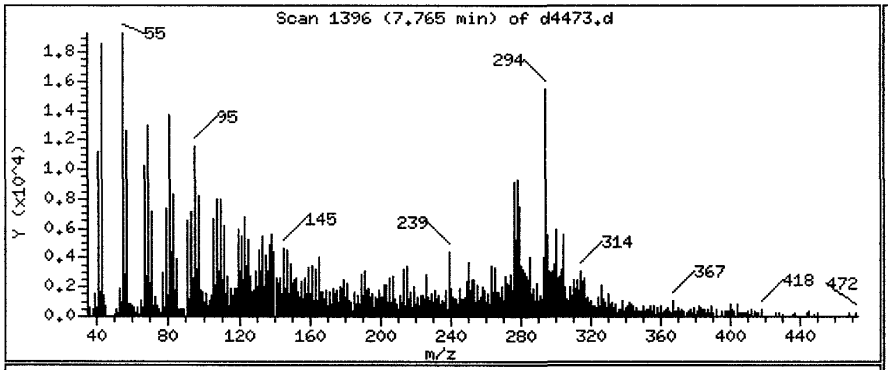
Operator: rrr

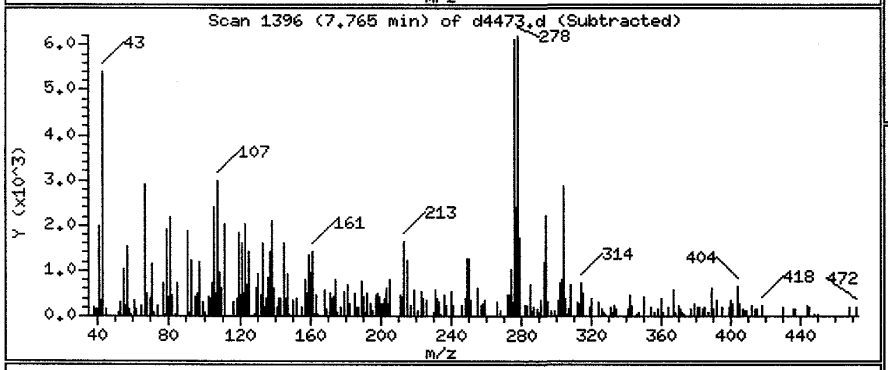
Column phase: RTX-5MS-30M

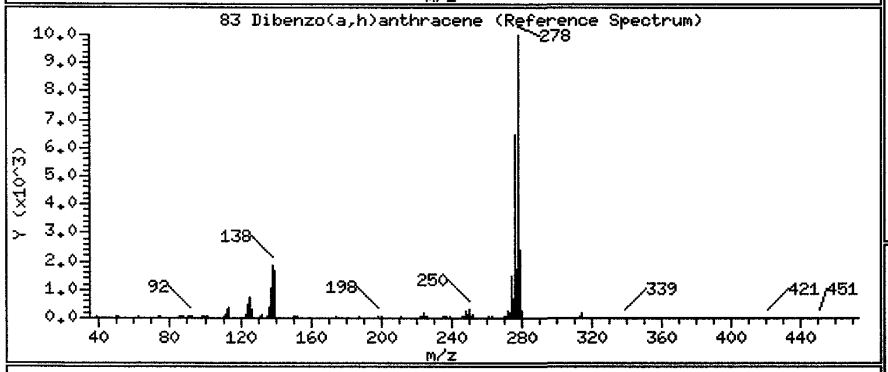
Column diameter: 0.25

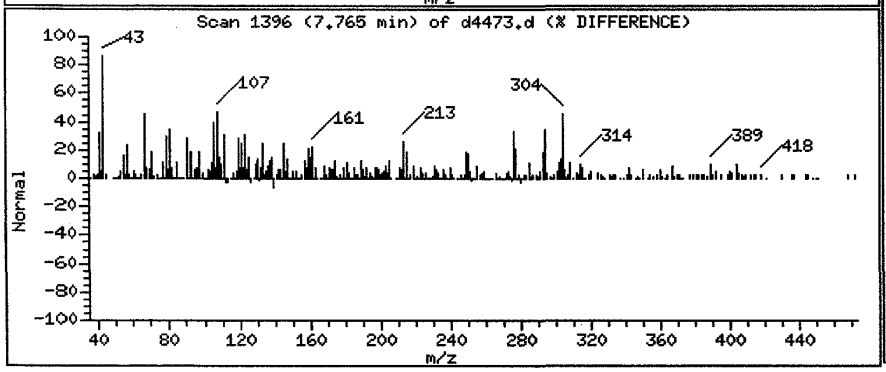
83 Dibenzo(a,h)anthracene

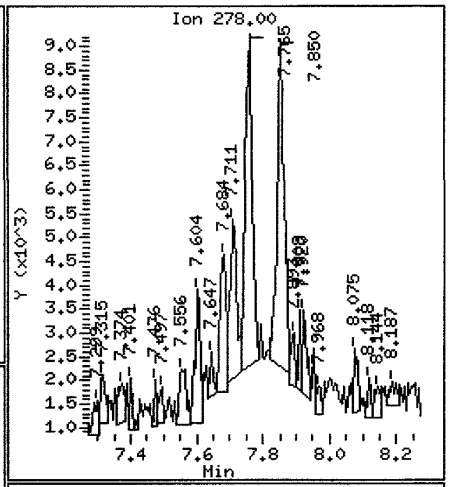
Concentration: 1160 ug/Kg

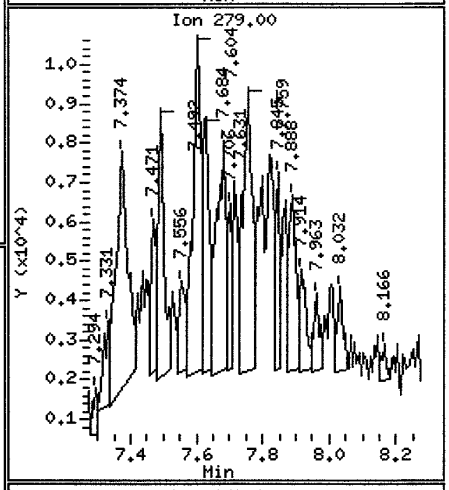


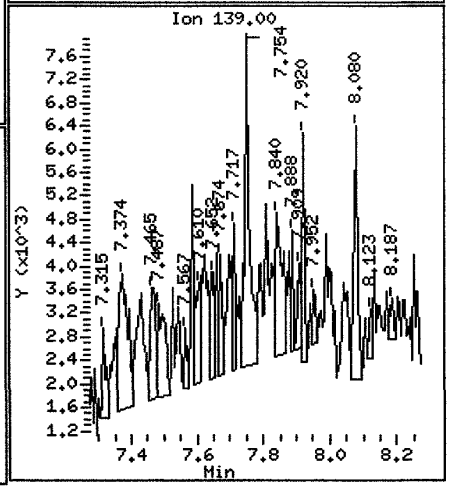












Data File: /var/chem/MSSV5.i/2061211.s.b/d4473.d

Date : 11-DEC-2006 11:26

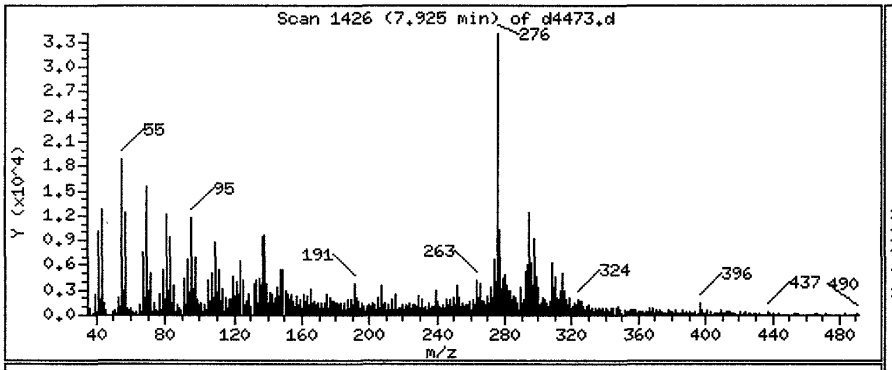
Client ID: 20612072813 Instrument: MSSV5.i

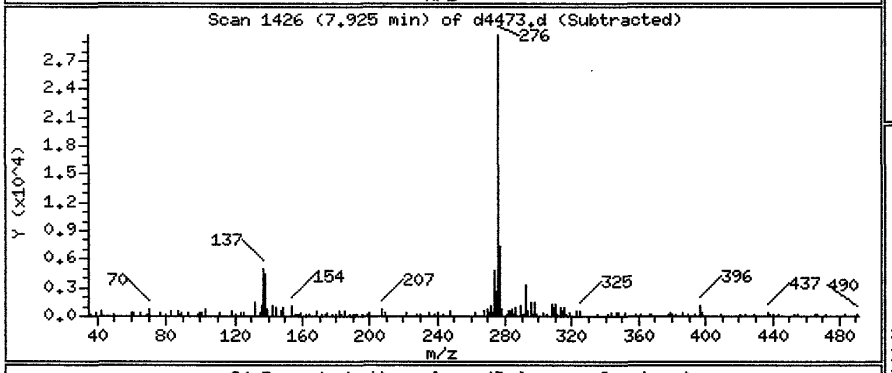
Sample Info: 20612072813*4482*

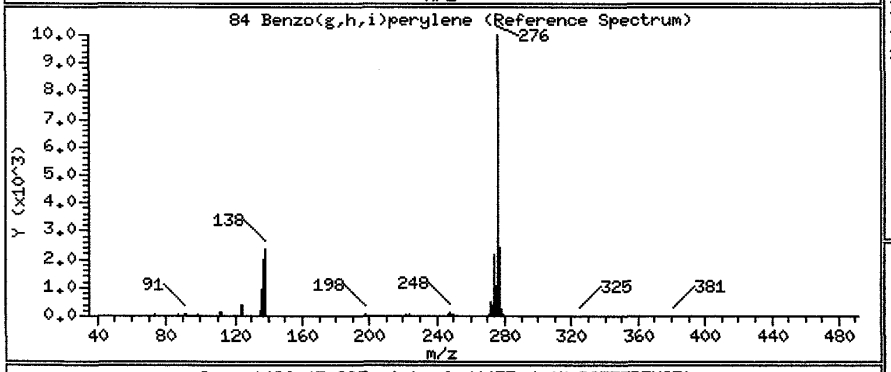
Volume Injected (uL): 1.0 Operator: rrr

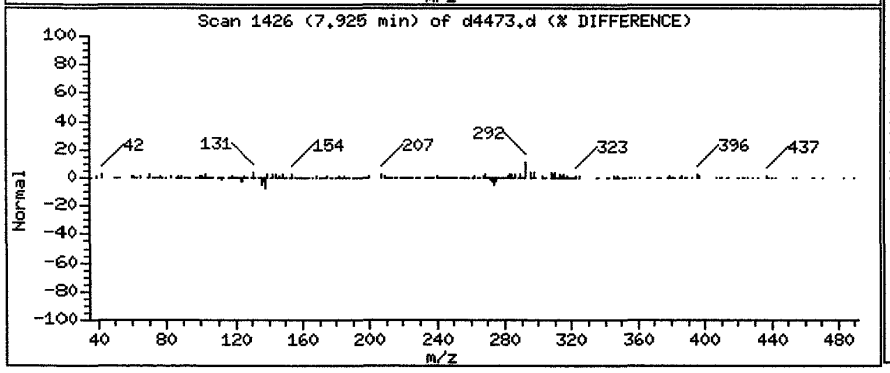
Column phase: RTX-5MS-30M Column diameter: 0.25

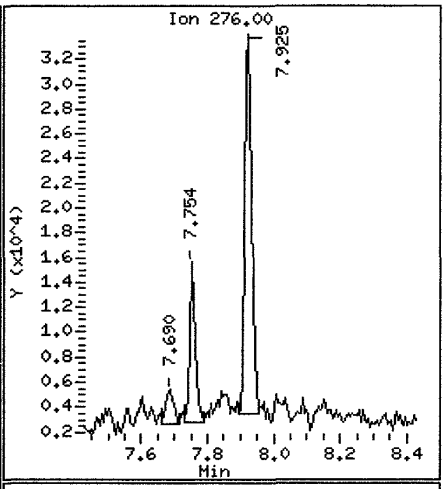
84 Benzo(g,h,i)perylene Concentration: 623 ug/Kg

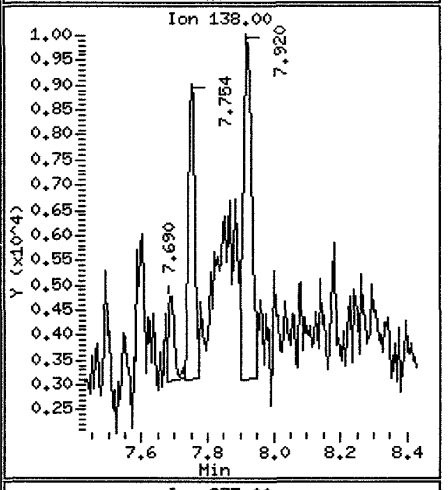


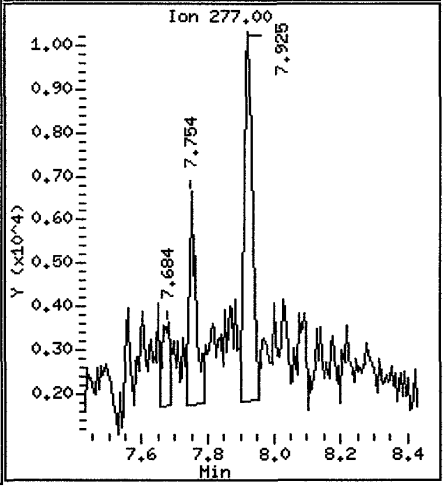










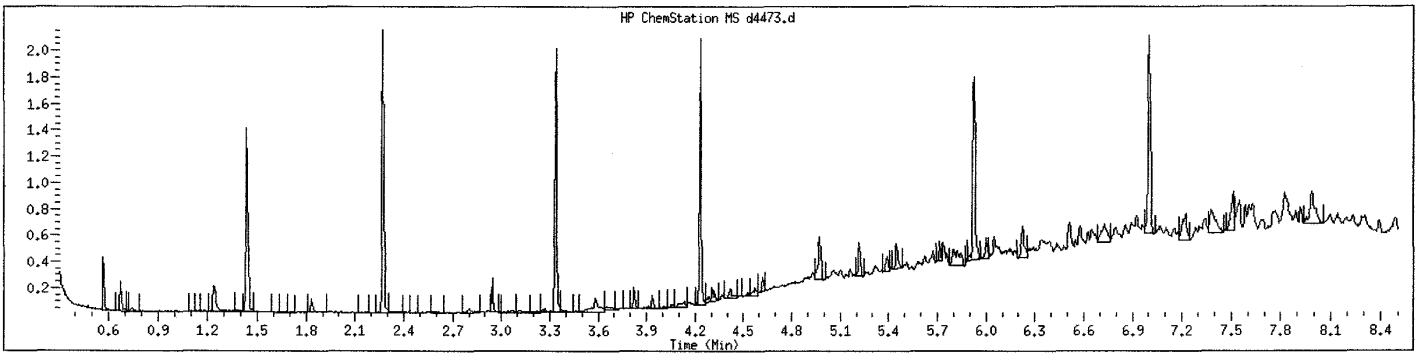


034584

Data file : /var/chem/MSSV5.i/2061211.s.b/d4473.d Page: 1
Report Date: 12/11/2006 16:38

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072813	SampleType	: SAMPLE
Injection Date	: 11-DEC-2006 11:26	Instrument	: MSSV5.i
Operator	: rrr		
Sample Info	: 20612072813*4482*		
Misc Info	: 20612072813*MSSV~4095~*120728*30.1-1X10*33846		
Method	: /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m		
Dilution	: 10.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



NO MANUAL INTEGRATIONS

000500

034585

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 56.3 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: 2WSED3-003 (0-0.5)D
Contract:
Lab File ID: 2061211/d4474
Lab Sample ID: 20612072814
Date Collected: 12/06/06 Time: 1100
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1141
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.746	U	0.132	0.746
95-95-4	2,4,5-Trichlorophenol	0.746	U	0.169	0.746
88-06-2	2,4,6-Trichlorophenol	0.746	U	0.129	0.746
120-83-2	2,4-Dichlorophenol	0.746	U	0.560	0.746
51-28-5	2,4-Dinitrophenol	7.57	U	0.429	7.57
121-14-2	2,4-Dinitrotoluene	0.746	U	0.608	0.746
606-20-2	2,6-Dinitrotoluene	0.746	U	0.129	0.746
91-58-7	2-Chloronaphthalene	0.746	U	0.547	0.746
95-57-8	2-Chlorophenol	0.746	U	0.560	0.746
91-57-6	2-Methylnaphthalene	0.746	U	0.161	0.746
88-74-4	2-Nitroaniline	3.77	U	0.171	3.77
88-75-5	2-Nitrophenol	0.746	U	0.217	0.746
91-94-1	3,3'-Dichlorobenzidine	1.36	U	1.27	1.36
99-09-2	3-Nitroaniline	3.77	U	0.149	3.77
534-52-1	2-Methyl-4,6-dinitrophenol	3.77	U	0.282	3.77
59-50-7	4-Chloro-3-methylphenol	0.746	U	0.224	0.746
106-47-8	4-Chloroaniline	1.13	U	0.922	1.13
7005-72-3	4-Chlorophenyl-phenylether	0.746	U	0.105	0.746
83-32-9	Acenaphthene	0.746	U	0.161	0.746
208-96-8	Acenaphthylene	0.256	J	0.163	0.746
98-86-2	Acetophenone	0.746	U	0.185	0.746
62-53-3	Aniline	1.13	U	0.965	1.13
120-12-7	Anthracene	0.185	J	0.112	0.746
1912-24-9	Atrazine (Aatrex)	1.49	U	0.359	1.49
100-52-7	Benzaldehyde	0.746	U	0.594	0.746
92-87-5	Benzidine	7.46	U	7.10	7.46
56-55-3	Benzo(a)anthracene	0.746	U	0.132	0.746
50-32-8	Benzo(a)pyrene	1.89		0.177	0.746
205-99-2	Benzo(b)fluoranthene	0.746	U	0.143	0.746

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 56.3 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: 2WSED3-003 (0-0.5)D
Contract:
Lab File ID: 2061211/d4474
Lab Sample ID: 20612072814
Date Collected: 12/06/06 Time: 1100
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1141
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	1.11		0.603	0.746
207-08-9	Benzo(k)fluoranthene	0.746	U	0.201	0.746
65-85-0	Benzoic acid	3.77	U	3.48	3.77
100-51-6	Benzyl alcohol	0.746	U	0.164	0.746
92-52-4	Biphenyl	0.746	U	0.125	0.746
111-91-1	Bis(2-Chloroethoxy)methane	0.746	U	0.116	0.746
111-44-4	Bis(2-Chloroethyl)ether	0.814	U	0.811	0.814
108-60-1	bis(2-Chloroisopropyl)ether	0.746	U	0.734	0.746
117-81-7	bis(2-ethylhexyl)phthalate	0.746	U	0.355	0.746
101-55-3	4-Bromophenyl-phenylether	0.746	U	0.278	0.746
85-68-7	Butylbenzylphthalate	0.746	U	0.172	0.746
105-60-2	Caprolactam	0.746	U	0.221	0.746
86-74-8	Carbazole	0.746	U	0.154	0.746
218-01-9	Chrysene	2.12		0.237	0.746
84-74-2	Di-n-butylphthalate	0.746	U	0.150	0.746
117-84-0	Di-n-octylphthalate	0.746	U	0.156	0.746
53-70-3	Dibenz(a,h)anthracene	2.66		0.696	0.746
132-64-9	Dibenzofuran	0.746	U	0.096	0.746
84-66-2	Diethylphthalate	0.746	U	0.122	0.746
131-11-3	Dimethyl-phthalate	0.746	U	0.443	0.746
105-67-9	2,4-Dimethylphenol	1.24	U	1.23	1.24
206-44-0	Fluoranthene	0.746	U	0.198	0.746
86-73-7	Fluorene	0.746	U	0.125	0.746
118-74-1	Hexachlorobenzene	0.746	U	0.217	0.746
77-47-4	Hexachlorocyclopentadiene	0.746	U	0.551	0.746
67-72-1	Hexachloroethane	1.13	U	0.994	1.13
193-39-5	Indeno(1,2,3-cd)pyrene	1.32		0.515	0.746
78-59-1	Isophorone	0.746	U	0.104	0.746
100-01-6	4-Nitroaniline	3.77	U	0.872	3.77

000502

034587

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 56.3 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: 2WSED3-003 (0-0.5)D
Contract:
Lab File ID: 2061211/d4474
Lab Sample ID: 20612072814
Date Collected: 12/06/06 Time: 1100
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1141
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.904	U	0.768	0.904
100-02-7	4-Nitrophenol	3.77	U	0.187	3.77
87-86-5	Pentachlorophenol	3.77	U	0.662	3.77
85-01-8	Phenanthrene	0.746	U	0.117	0.746
108-95-2	Phenol	0.746	U	0.155	0.746
129-00-0	Pyrene	0.662	J	0.348	0.746
110-86-1	Pyridine	1.49	U	1.11	1.49
1319-77-3M	m,p-Cresol	0.746	U	0.218	0.746
621-64-7	N-Nitroso-di-n-propylamine	0.746	U	0.169	0.746
62-75-9	N-Nitrosodimethylamine	1.49	U	0.897	1.49
86-30-6	N-Nitrosodiphenylamine	0.746	U	0.246	0.746
95-48-7	o-Cresol	0.746	U	0.380	0.746

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4474.d
Lab Smp Id: 20612072814 Client Smp ID: 20612072814
Inj Date : 11-DEC-2006 11:41
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072814*4482*
Misc Info : 20612072814*MSSV~4095~*120728*30.4-1X10*33846
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 29
Dil Factor: 10.00000
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	10.00000	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)
$	3 2-Fluorophenol	112	0.672	0.678	(0.468)	39127	9.68273	3230
$	4 Phenol-d5	99	1.239	1.256	(0.862)	92526	9.95345	3320
*	10 1,4-Dichlorobenzene-d4	152	1.437	1.448	(1.000)	201050	40.0000	
$	19 Nitrobenzene-d5	82	1.833	1.839	(0.807)	41528	4.81805	1610
*	28 Naphthalene-d8	136	2.272	2.282	(1.000)	768430	40.0000	
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	69712	5.31402	1770
	42 Acenaphthylene	152	3.261	3.261	(0.976)	5194	0.33463	112
*	44 Acenaphthene-d10	164	3.341	3.347	(1.000)	407466	40.0000	
$	57 2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	16974	8.86173	2950
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	638848	40.0000	
	63 Anthracene	178	4.283	4.288	(1.011)	4798	0.24172	80.6

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	69 Pyrene	202	5.106	5.112	(0.861)	16277	0.86832	289
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	56083	4.89122	1630
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	470220	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.011)	2197	0.24382	81.3
	75 Chrysene	228	5.941	5.962	(1.002)	41781	2.77625	925
	80 Benzo(a)pyrene +	252	6.925	6.979	(0.989)	45998	2.47413	825(H)
*	81 Perylene-d12	264	7.005	7.016	(1.000)	546213	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.754	7.759	(1.308)	11153	1.72645	575
	83 Dibenzo(a,h)anthracene	278	7.759	7.770	(1.108)	9885	3.47405	1160
	84 Benzo(g,h,i)perylene	276	7.920	7.925	(1.131)	28493	1.45003	483

QC Flag Legend

H - Operator selected an alternate compound hit.

034590

Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

Client ID: 20612072814

Sample Info: 20612072814*4482*

Volume Injected (uL): 1.0

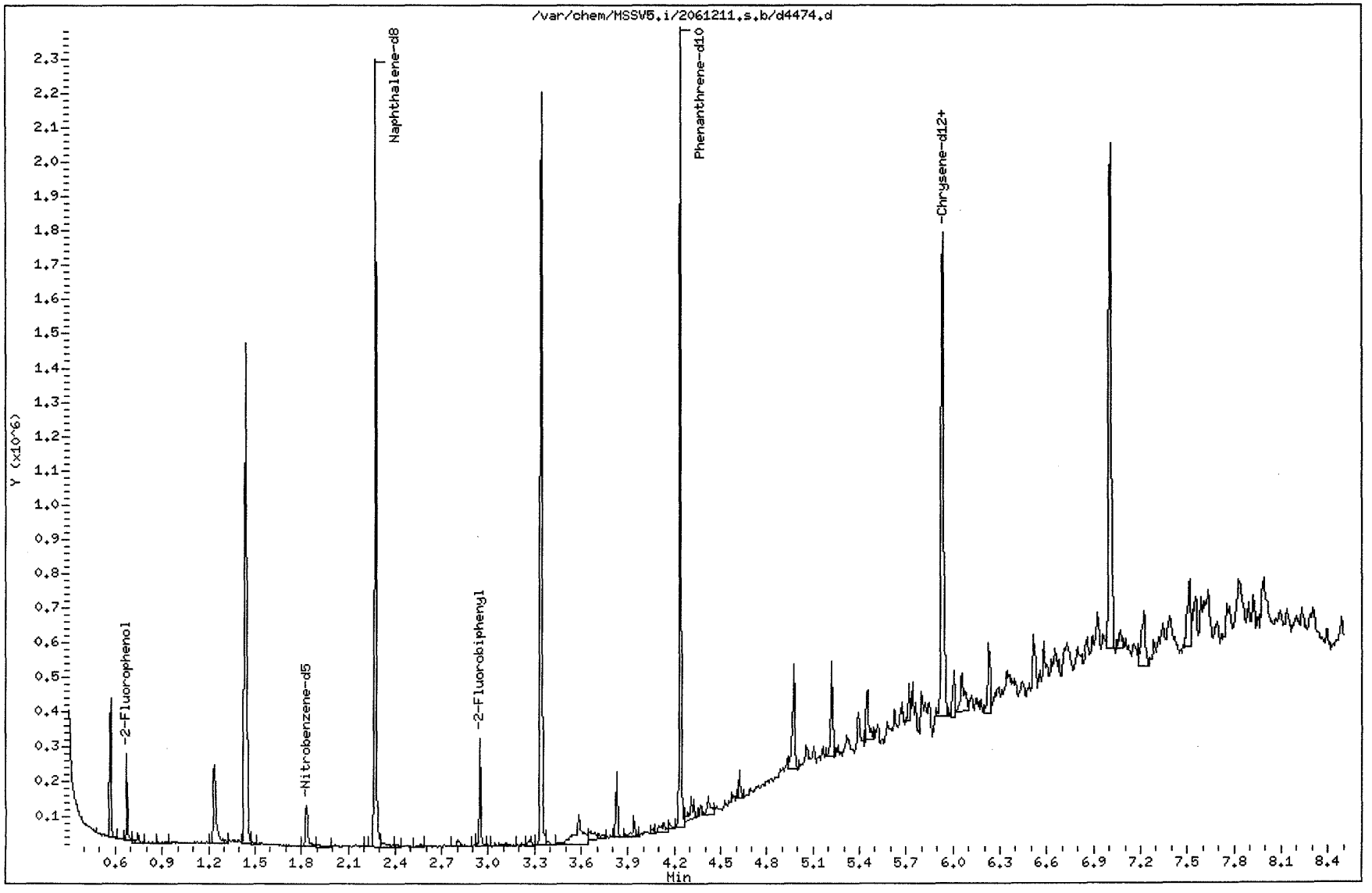
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: rrr

Column diameter: 0.25

000506



034591

Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

Client ID: 20612072814

Instrument: MSSV5.i

Sample Info: 20612072814*4482*

Volume Injected (uL): 1.0

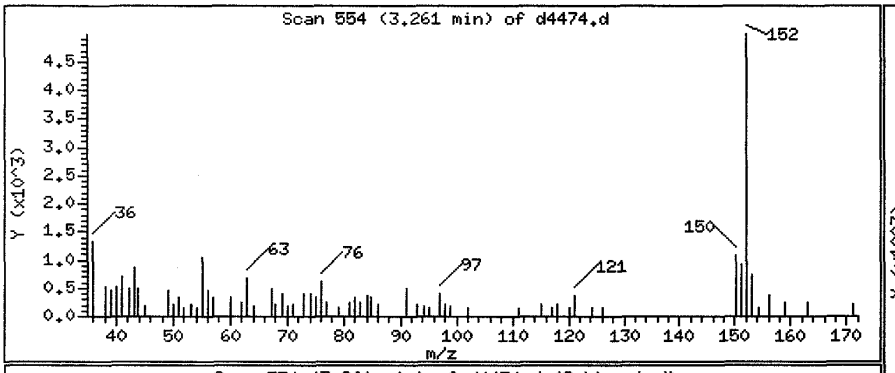
Operator: rrr

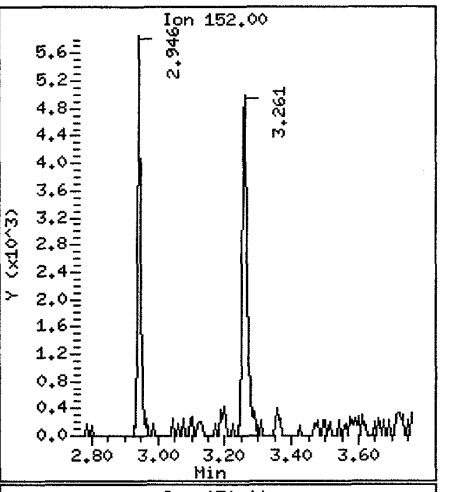
Column phase: RTX-5MS-30M

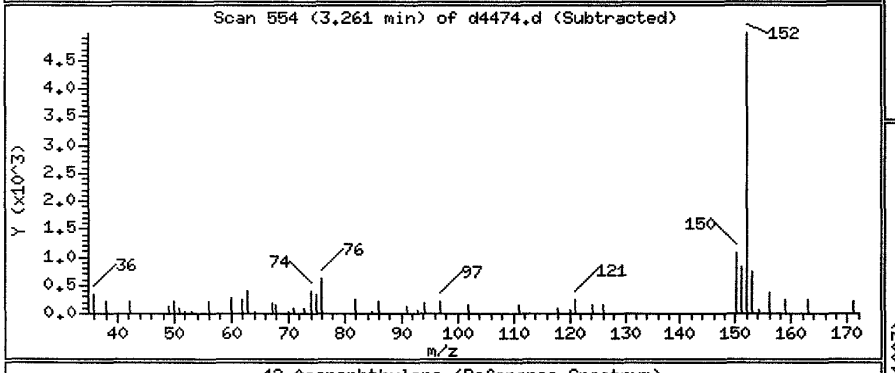
Column diameter: 0.25

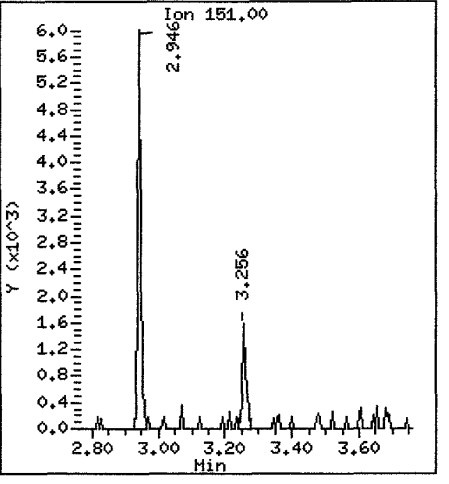
42 Acenaphthylene

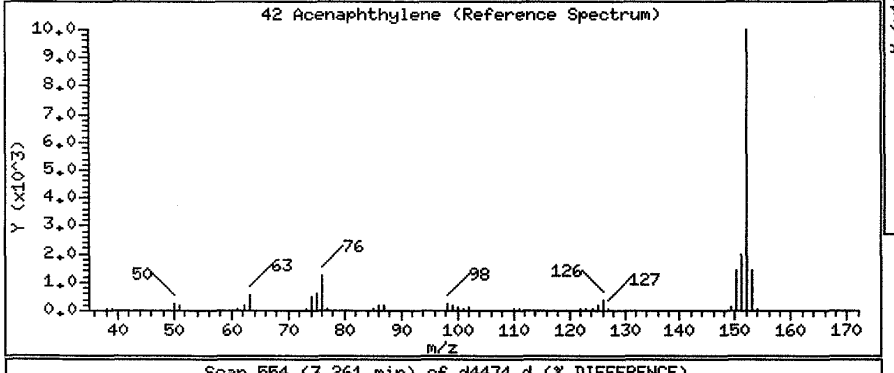
Concentration: 112 ug/Kg

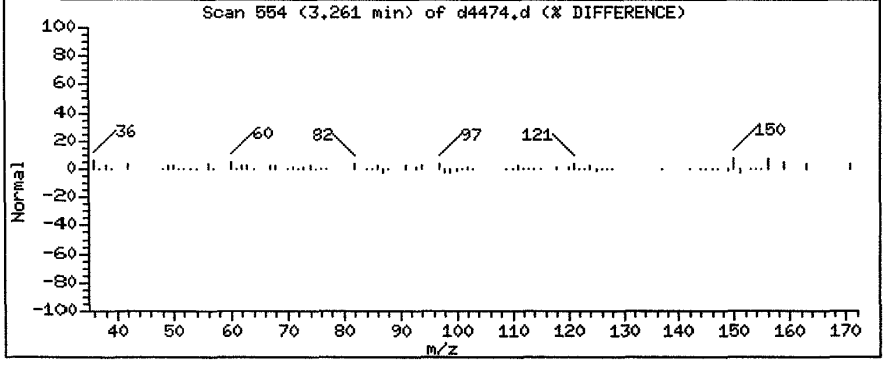












000507

034592

Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

Client ID: 20612072814

Instrument: MSSV5.i

Sample Info: 20612072814*4482*

Volume Injected (uL): 1.0

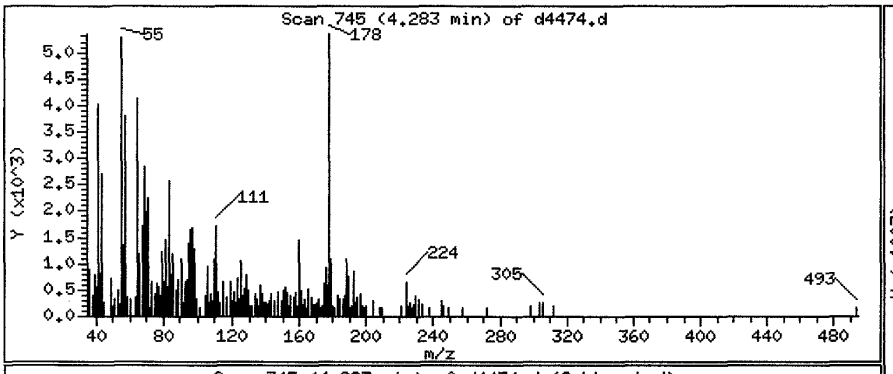
Operator: rrr

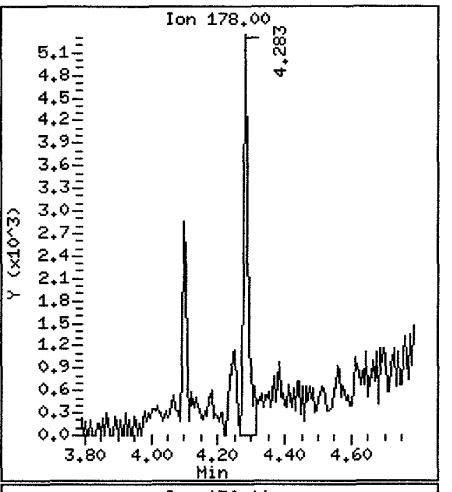
Column phase: RTX-5MS-30M

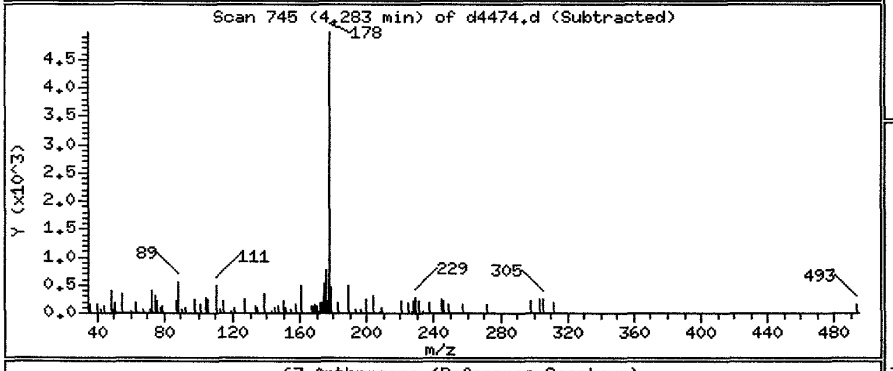
Column diameter: 0.25

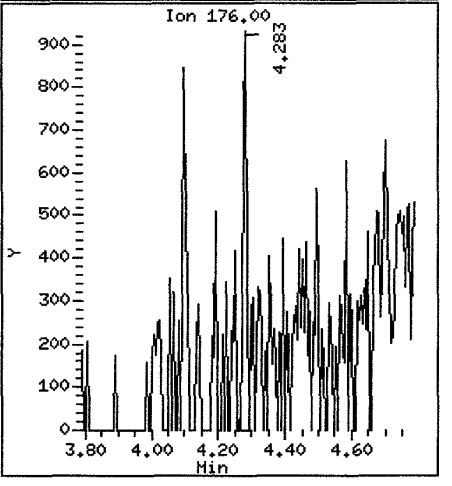
63 Anthracene

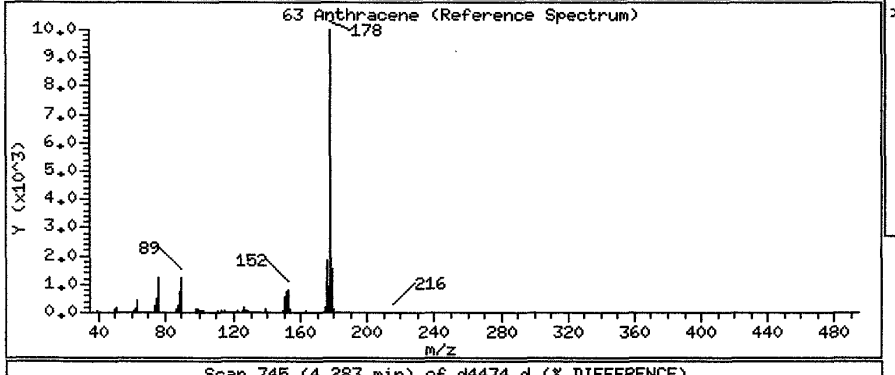
Concentration: 80.6 ug/Kg

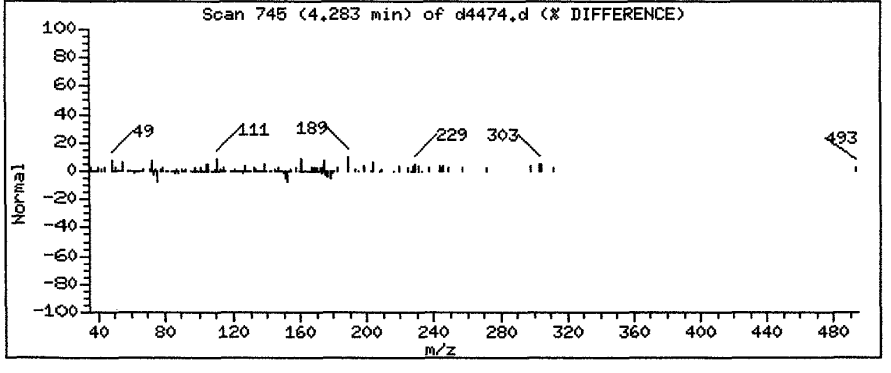












Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

Client ID: 20612072814

Instrument: MSSV5.i

Sample Info: 20612072814*4482*

Volume Injected (uL): 1.0

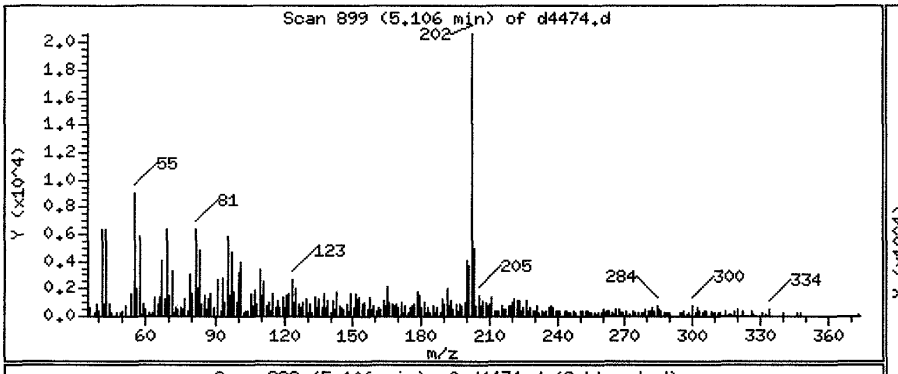
Operator: rrr

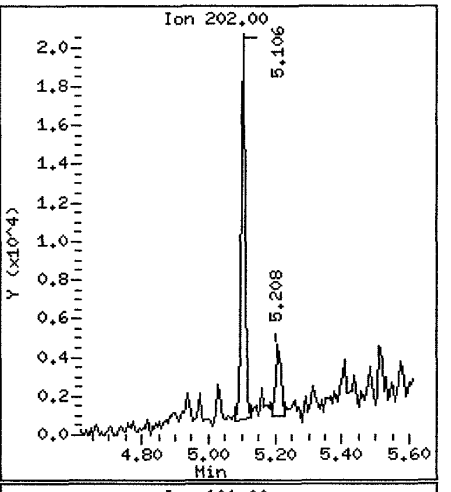
Column phase: RTX-5MS-30M

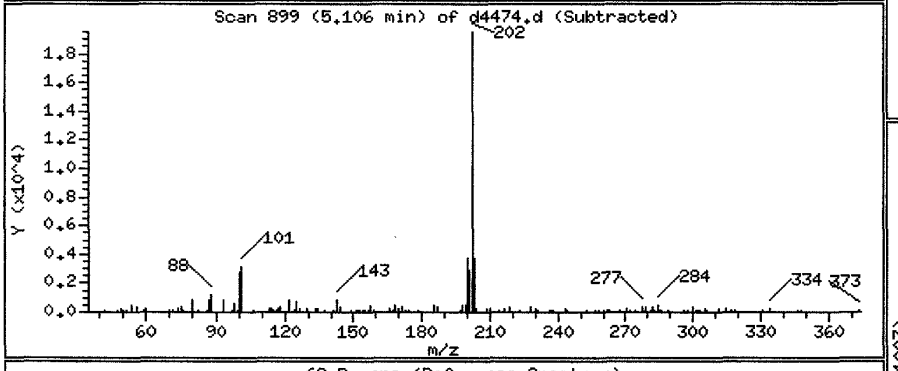
Column diameter: 0.25

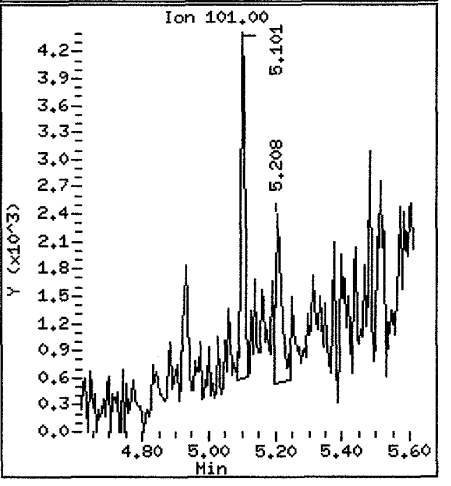
69 Pyrene

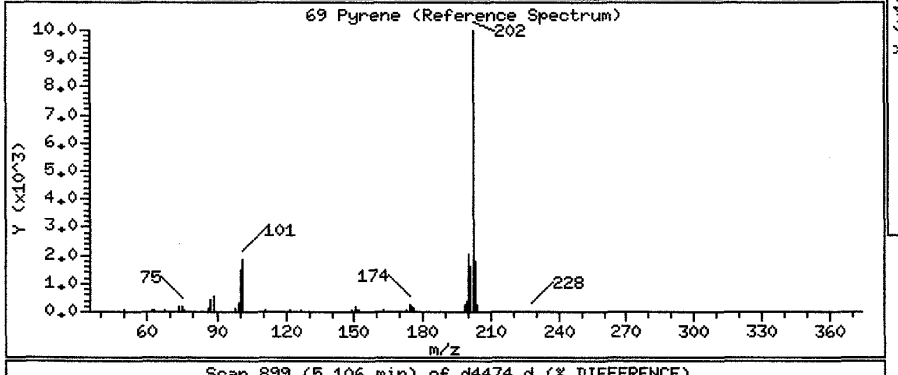
Concentration: 289 ug/Kg

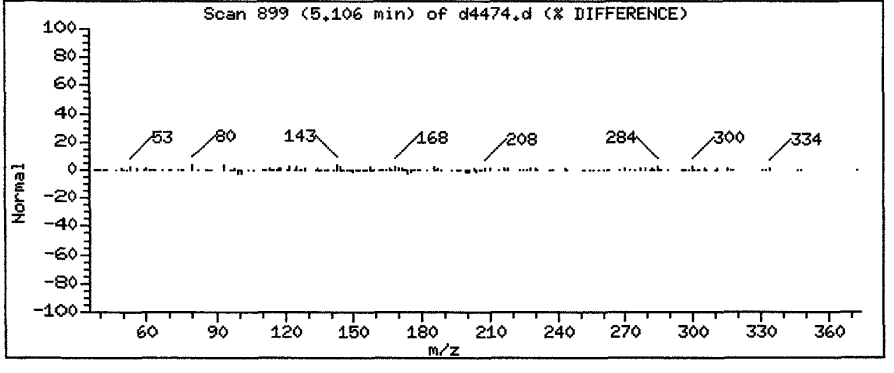












000509

Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

Client ID: 20612072814

Instrument: MSSV5.i

Sample Info: 20612072814*4482*

Volume Injected (uL): 1.0

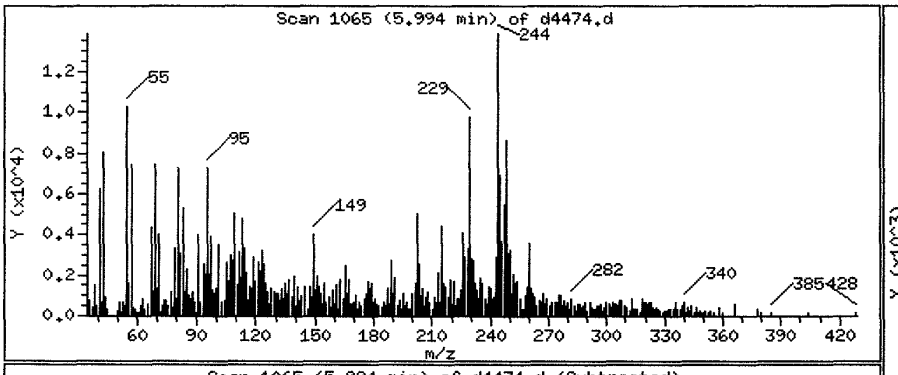
Operator: rrr

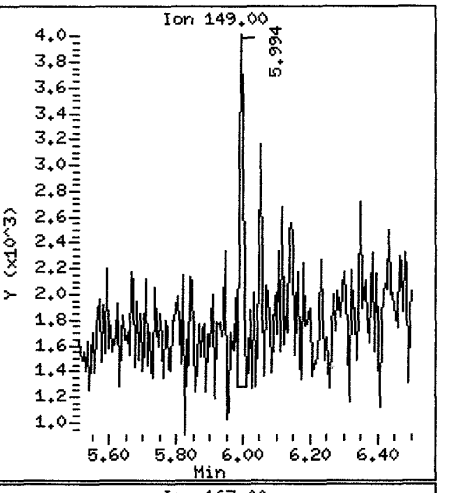
Column phase: RTX-5MS-30M

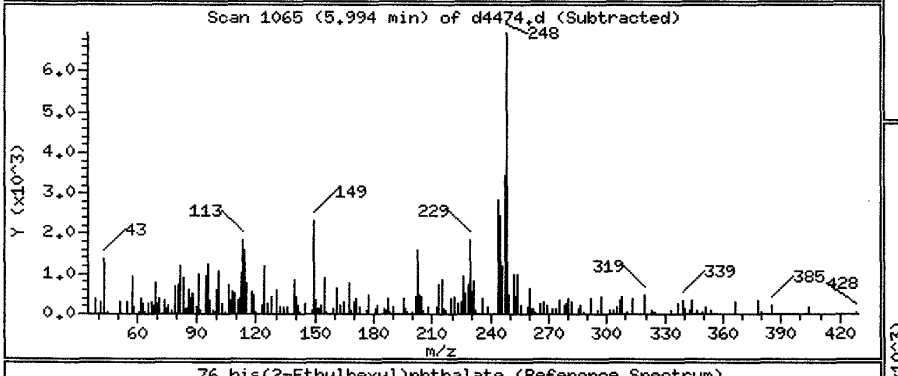
Column diameter: 0.25

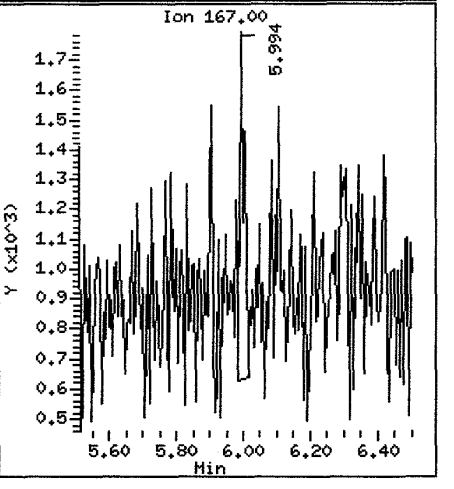
76 bis(2-Ethylhexyl)phthalate

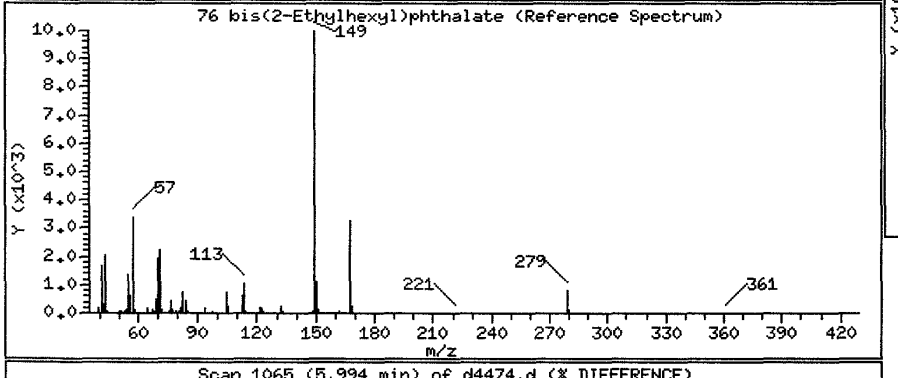
Concentration: 81.3 ug/Kg

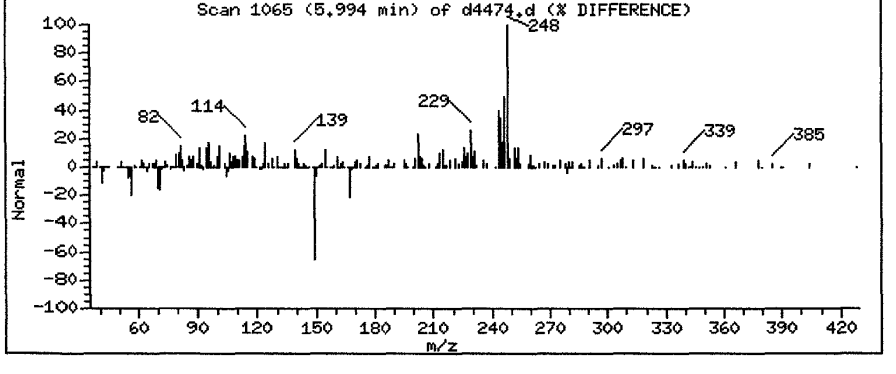












000510

034595

Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

Client ID: 20612072814

Instrument: MSSV5.i

Sample Info: 20612072814*4482*

Volume Injected (uL): 1.0

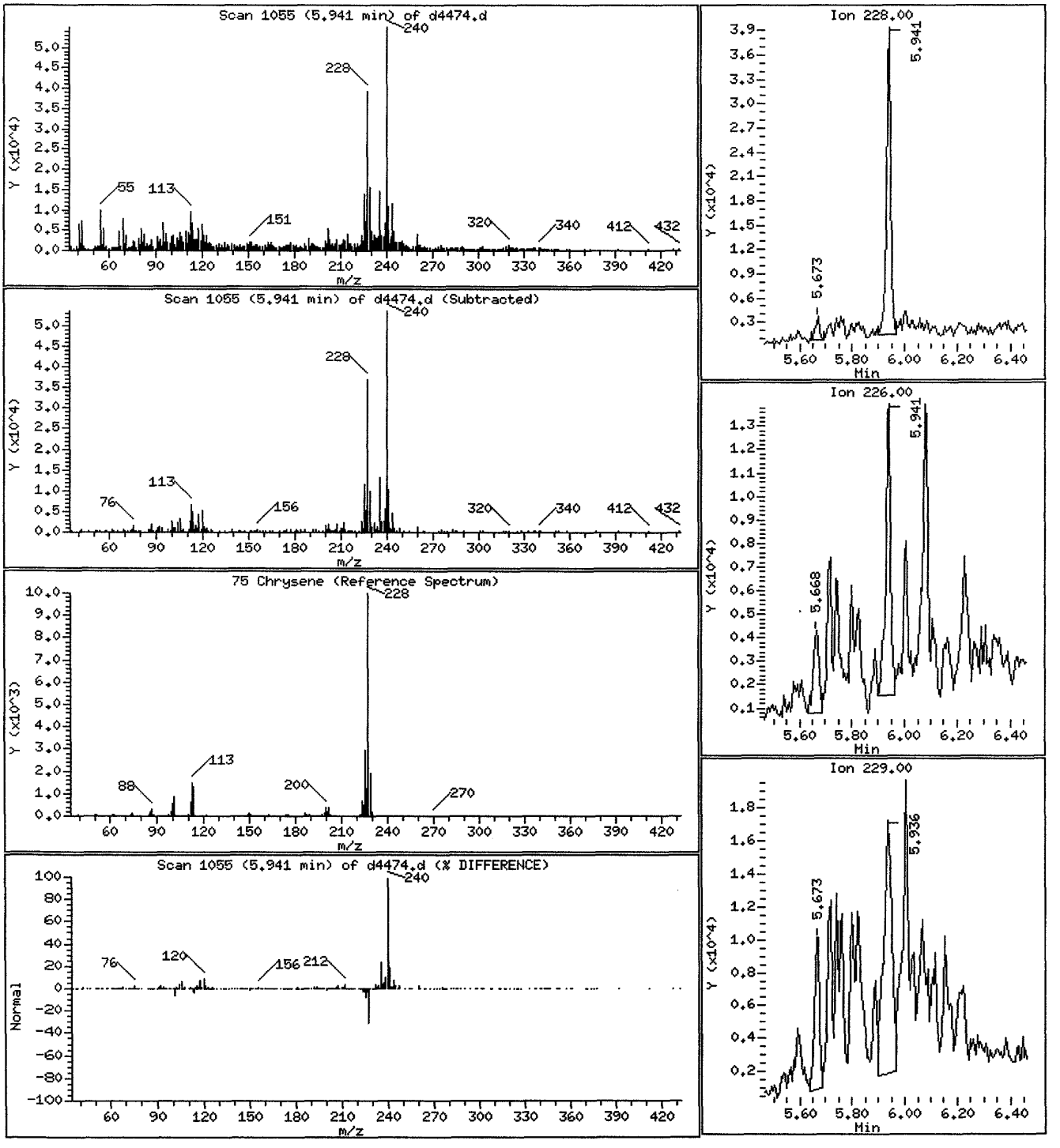
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

75 Chrysene

Concentration: 925 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

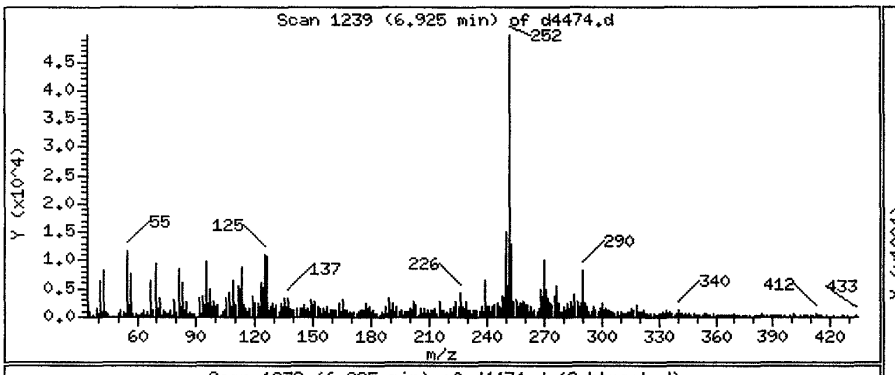
Client ID: 20612072814 Instrument: MSSV5.i

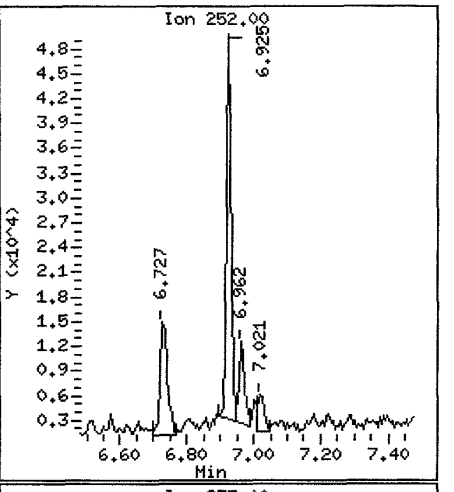
Sample Info: 20612072814*4482*

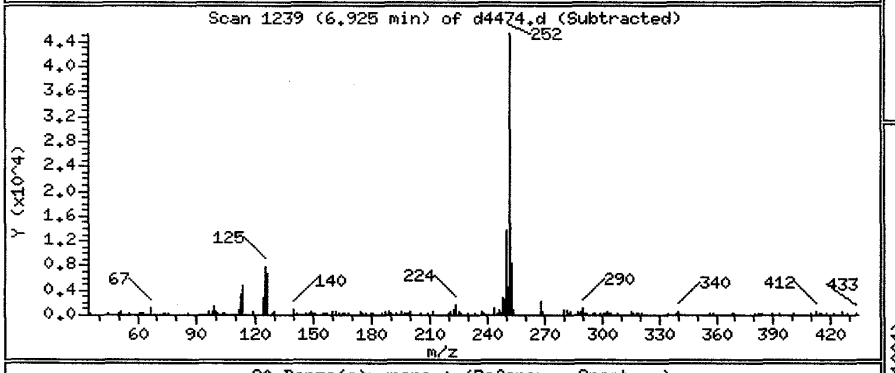
Volume Injected (uL): 1.0 Operator: rrr

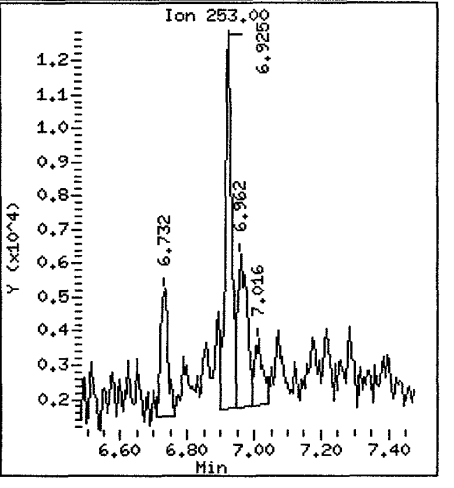
Column phase: RTX-5MS-30M Column diameter: 0.25

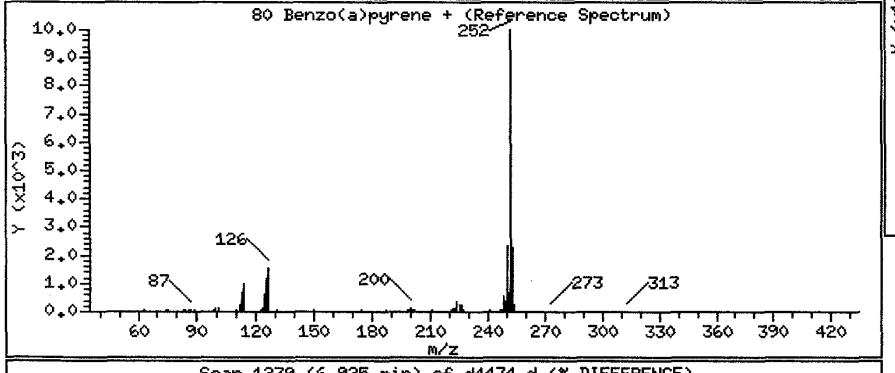
80 Benzo(a)pyrene + Concentration: 825 ug/Kg

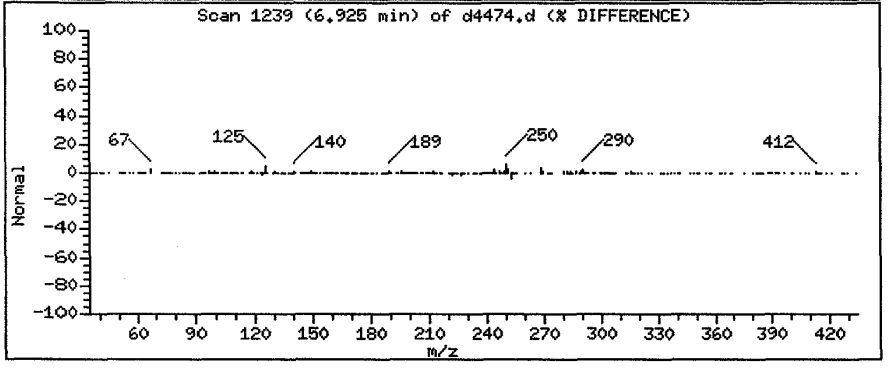












000512

034597

Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

Client ID: 20612072814

Instrument: MSSV5.i

Sample Info: 20612072814*4482*

Volume Injected (uL): 1.0

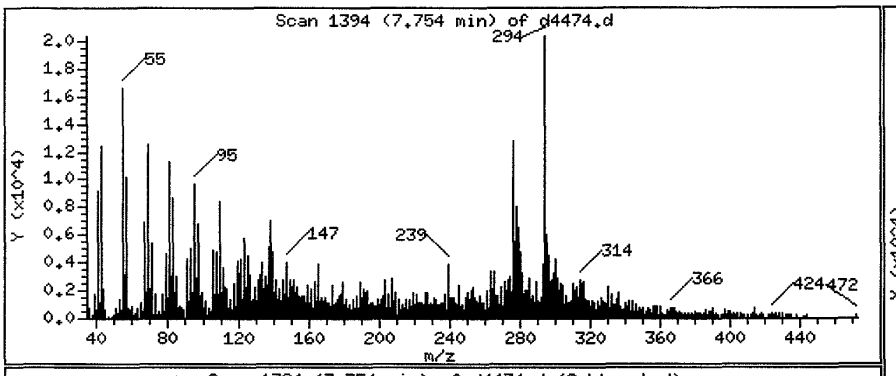
Operator: rrr

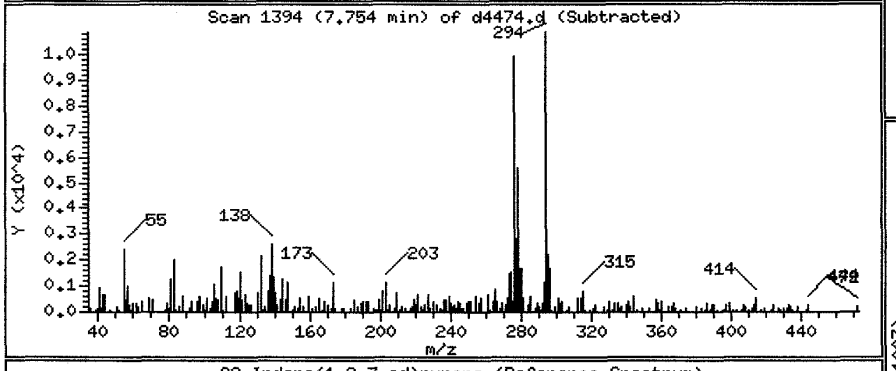
Column phase: RTX-5MS-30M

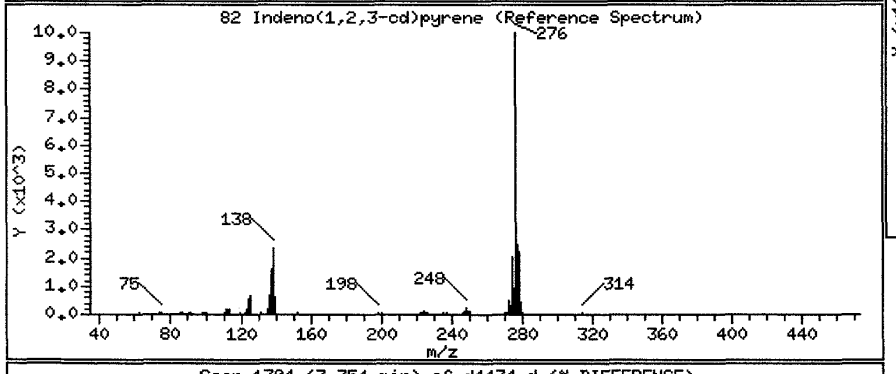
Column diameter: 0.25

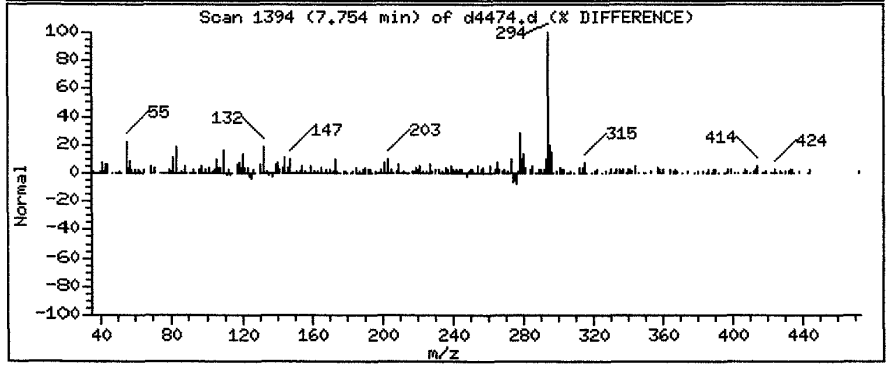
82 Indeno(1,2,3-cd)pyrene

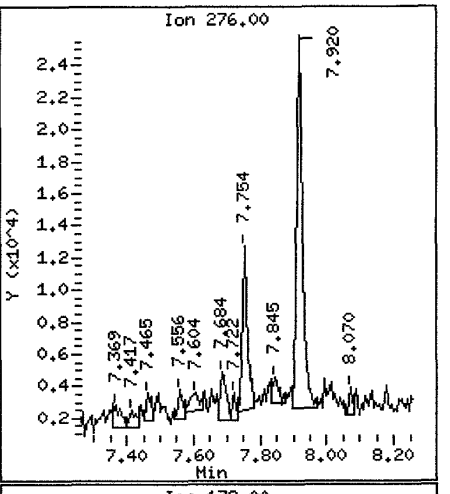
Concentration: 575 ug/Kg

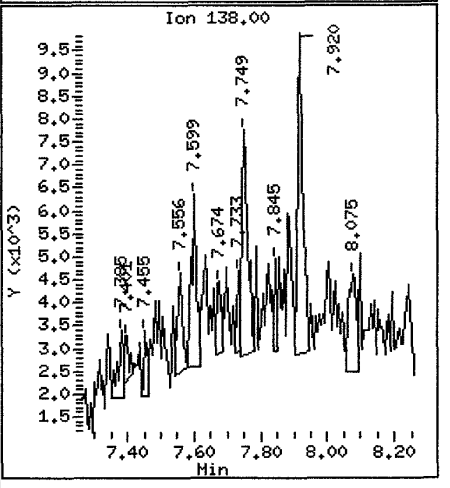












Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

Client ID: 20612072814

Instrument: MSSV5.i

Sample Info: 20612072814*4482*

Volume Injected (uL): 1.0

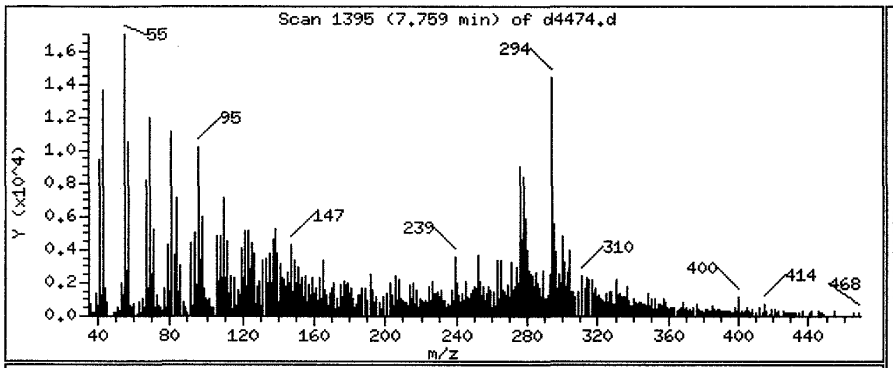
Operator: rrr

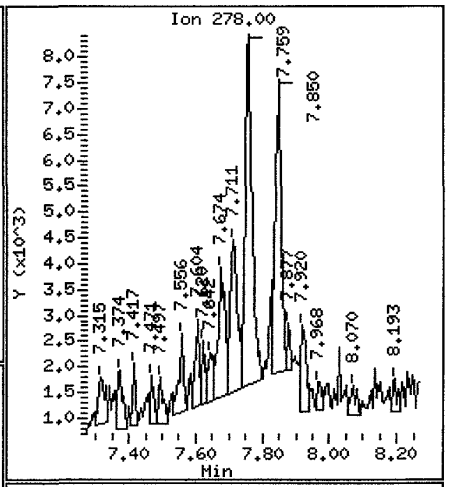
Column phase: RTX-5MS-30M

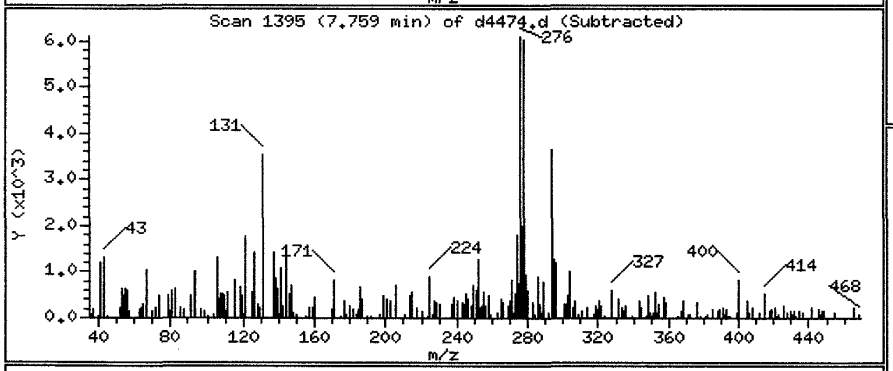
Column diameter: 0.25

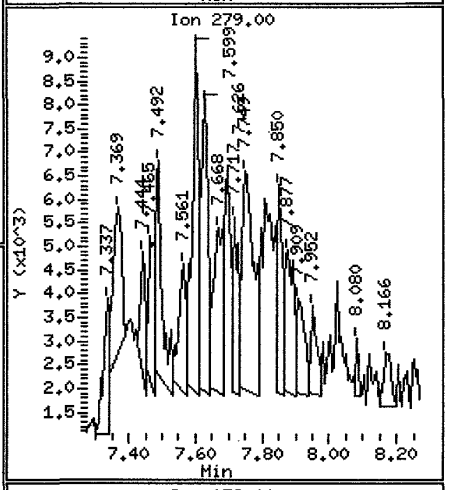
83 Dibenzo(a,h)anthracene

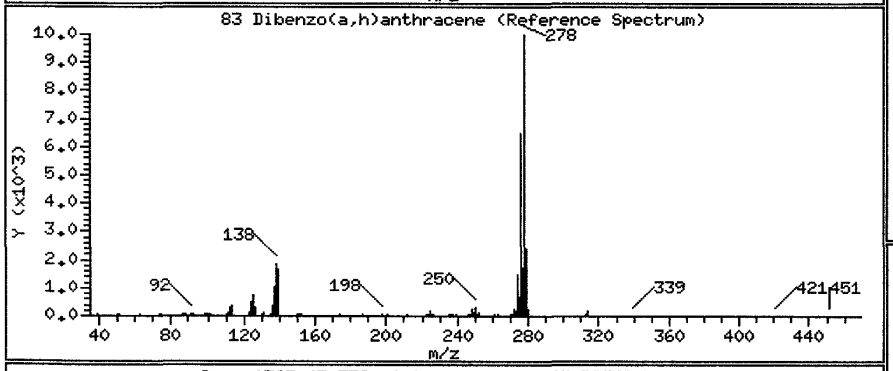
Concentration: 1160 ug/Kg

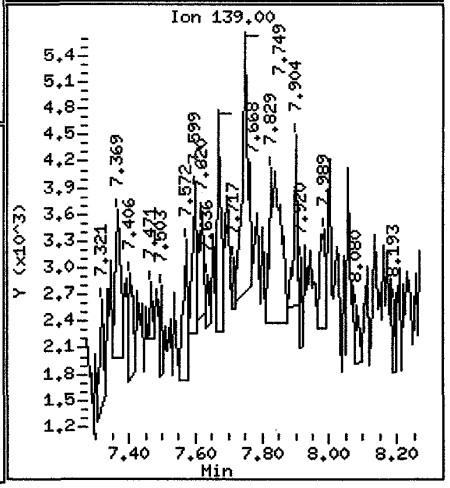


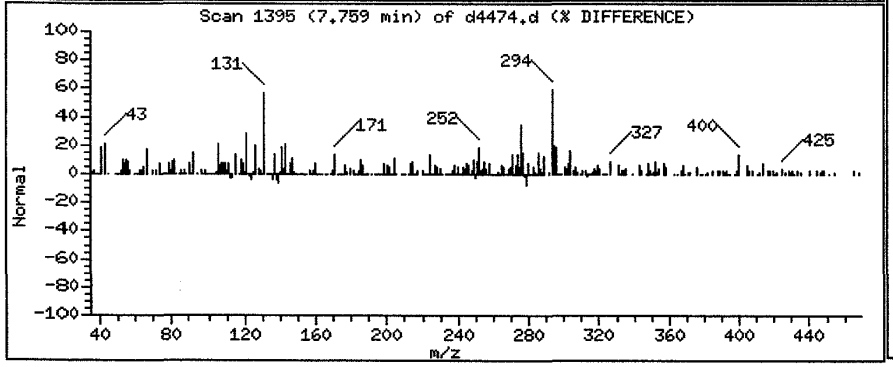












Data File: /var/chem/MSSV5.i/2061211.s.b/d4474.d

Date : 11-DEC-2006 11:41

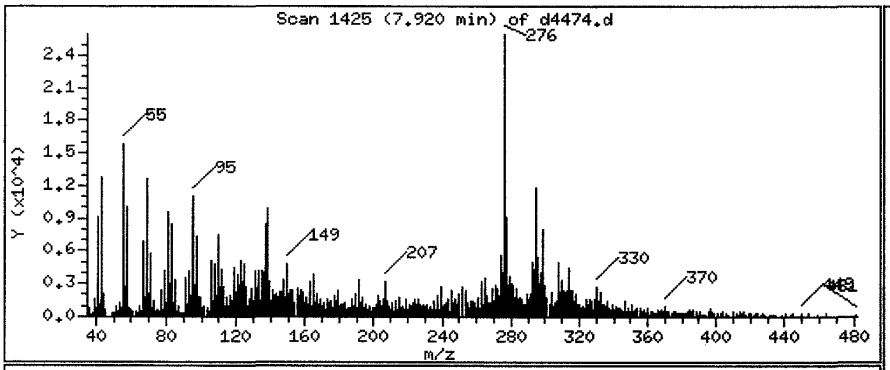
Client ID: 20612072814 Instrument: MSSV5.i

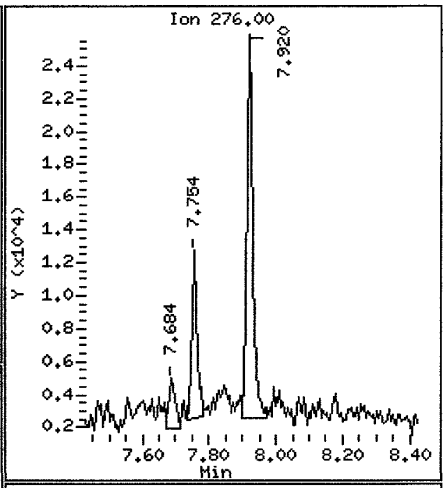
Sample Info: 20612072814*4482*

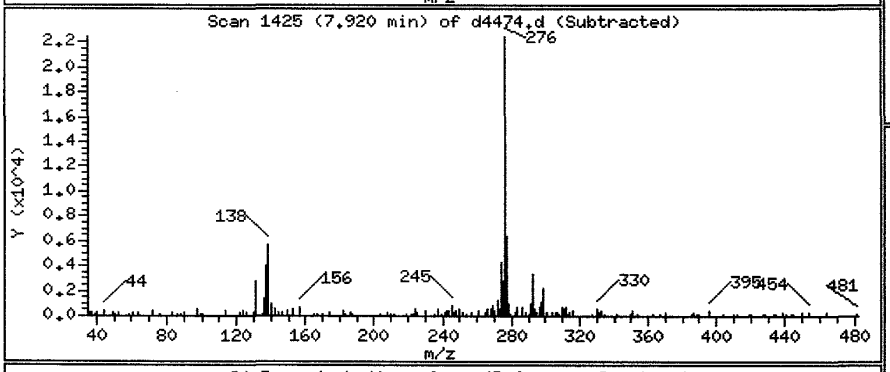
Volume Injected (uL): 1.0 Operator: rrr

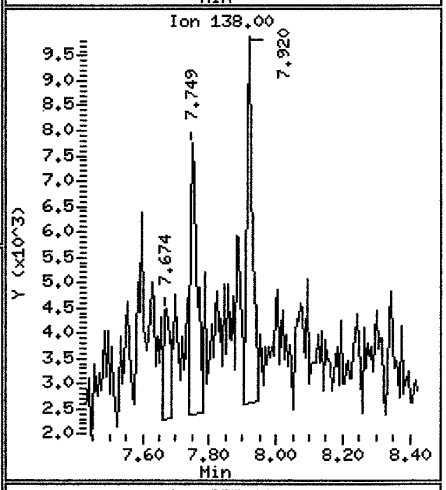
Column phase: RTX-5MS-30M Column diameter: 0.25

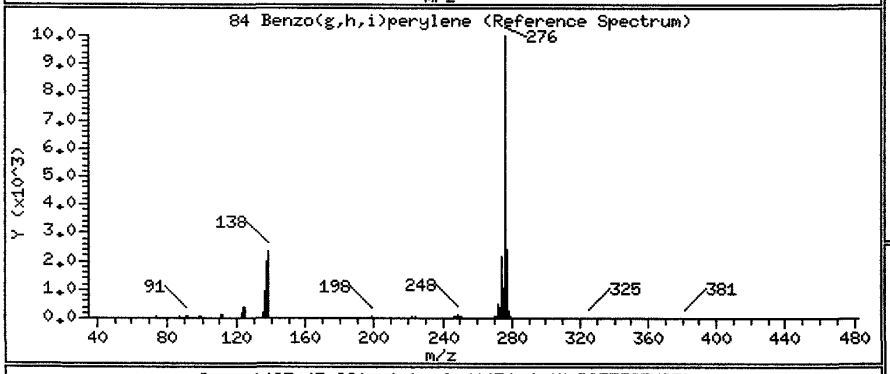
84 Benzo(g,h,i)perylene Concentration: 483 ug/Kg

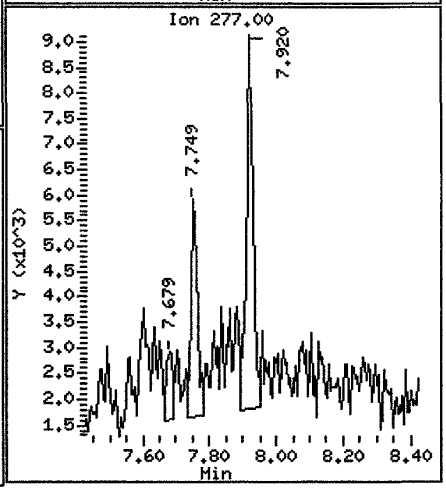


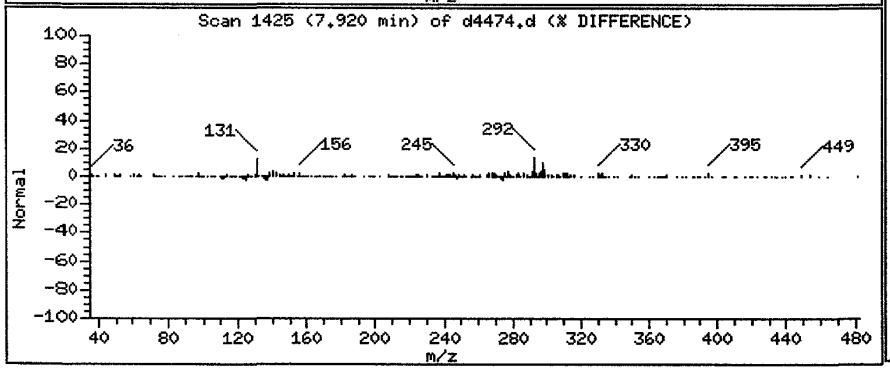








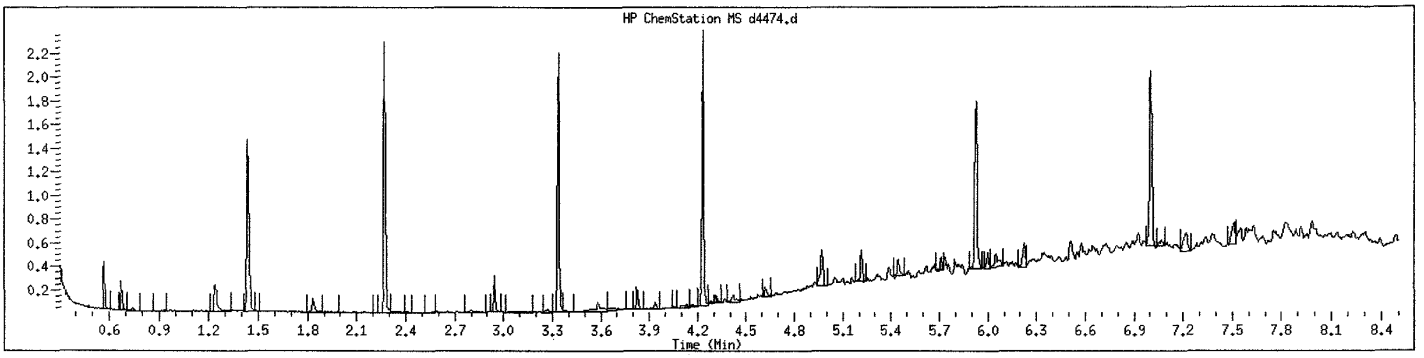




Data file : /var/chem/MSSV5.i/2061211.s.b/d4474.d Page: 1
Report Date: 12/11/2006 16:40

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072814	SampleType	: SAMPLE
Injection Date	: 11-DEC-2006 11:41	Instrument	: MSSV5.i
Operator	: rrr		
Sample Info	: 20612072814*4482*		
Misc Info	: 20612072814*MSSV~4095~*120728*30.4-1X10*33846		
Method	: /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m		
Dilution	: 10.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



NO MANUAL INTEGRATIONS

034601

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 53.6 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: 2WSED4-004 (0-0.5)
Contract:
Lab File ID: 2061211/d4475
Lab Sample ID: 20612072815
Date Collected: 12/06/06 Time: 1130
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1155
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.711	U	0.126	0.711
95-95-4	2,4,5-Trichlorophenol	0.711	U	0.161	0.711
88-06-2	2,4,6-Trichlorophenol	0.711	U	0.123	0.711
120-83-2	2,4-Dichlorophenol	0.711	U	0.534	0.711
51-28-5	2,4-Dinitrophenol	7.22	U	0.409	7.22
121-14-2	2,4-Dinitrotoluene	0.711	U	0.580	0.711
606-20-2	2,6-Dinitrotoluene	0.711	U	0.123	0.711
91-58-7	2-Chloronaphthalene	0.711	U	0.521	0.711
95-57-8	2-Chlorophenol	0.711	U	0.534	0.711
91-57-6	2-Methylnaphthalene	0.711	U	0.153	0.711
88-74-4	2-Nitroaniline	3.60	U	0.163	3.60
88-75-5	2-Nitrophenol	0.711	U	0.207	0.711
91-94-1	3,3'-Dichlorobenzidine	1.29	U	1.21	1.29
99-09-2	3-Nitroaniline	3.60	U	0.142	3.60
534-52-1	2-Methyl-4,6-dinitrophenol	3.60	U	0.269	3.60
59-50-7	4-Chloro-3-methylphenol	0.711	U	0.214	0.711
106-47-8	4-Chloroaniline	1.08	U	0.879	1.08
7005-72-3	4-Chlorophenyl-phenylether	0.711	U	0.100	0.711
83-32-9	Acenaphthene	0.711	U	0.153	0.711
208-96-8	Acenaphthylene	0.545	J	0.155	0.711
98-86-2	Acetophenone	0.711	U	0.176	0.711
62-53-3	Aniline	1.08	U	0.920	1.08
120-12-7	Anthracene	0.334	J	0.107	0.711
1912-24-9	Atrazine (Aatrex)	1.42	U	0.343	1.42
100-52-7	Benzaldehyde	0.711	U	0.567	0.711
92-87-5	Benzidine	7.11	U	6.77	7.11
56-55-3	Benzo(a)anthracene	0.711	U	0.126	0.711
50-32-8	Benzo(a)pyrene	0.972		0.169	0.711
205-99-2	Benzo(b)fluoranthene	0.685	J	0.136	0.711

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 53.6 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: 2WSED4-004 (0-0.5)
Contract:
Lab File ID: 2061211/d4475
Lab Sample ID: 20612072815
Date Collected: 12/06/06 Time: 1130
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1155
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	1.94		0.575	0.711
207-08-9	Benzo(k)fluoranthene	0.711	U	0.192	0.711
65-85-0	Benzoic acid	3.60	U	3.32	3.60
100-51-6	Benzyl alcohol	0.711	U	0.156	0.711
92-52-4	Biphenyl	0.711	U	0.119	0.711
111-91-1	Bis(2-Chloroethoxy)methane	0.711	U	0.111	0.711
111-44-4	Bis(2-Chloroethyl)ether	0.776	U	0.774	0.776
108-60-1	bis(2-Chloroisopropyl)ether	0.711	U	0.700	0.711
117-81-7	bis(2-ethylhexyl)phthalate	0.711	U	0.338	0.711
101-55-3	4-Bromophenyl-phenylether	0.711	U	0.265	0.711
85-68-7	Butylbenzylphthalate	0.711	U	0.164	0.711
105-60-2	Caprolactam	0.711	U	0.211	0.711
86-74-8	Carbazole	0.711	U	0.147	0.711
218-01-9	Chrysene	4.05		0.226	0.711
84-74-2	Di-n-butylphthalate	0.711	U	0.143	0.711
117-84-0	Di-n-octylphthalate	0.711	U	0.149	0.711
53-70-3	Dibenz(a,h)anthracene	2.91		0.664	0.711
132-64-9	Dibenzofuran	0.711	U	0.091	0.711
84-66-2	Diethylphthalate	0.711	U	0.117	0.711
131-11-3	Dimethyl-phthalate	0.711	U	0.422	0.711
105-67-9	2,4-Dimethylphenol	1.19	U	1.17	1.19
206-44-0	Fluoranthene	0.711	U	0.189	0.711
86-73-7	Fluorene	0.711	U	0.120	0.711
118-74-1	Hexachlorobenzene	0.711	U	0.207	0.711
77-47-4	Hexachlorocyclopentadiene	0.711	U	0.526	0.711
67-72-1	Hexachloroethane	1.08	U	0.948	1.08
193-39-5	Indeno(1,2,3-cd)pyrene	1.94		0.491	0.711
78-59-1	Isophorone	0.711	U	0.099	0.711
100-01-6	4-Nitroaniline	3.60	U	0.832	3.60

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 53.6 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: 2WSED4-004 (0-0.5)
Contract:
Lab File ID: 2061211/d4475
Lab Sample ID: 20612072815
Date Collected: 12/06/06 Time: 1130
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1155
Dilution Factor: 10 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.862	U	0.733	0.862
100-02-7	4-Nitrophenol	3.60	U	0.178	3.60
87-86-5	Pentachlorophenol	3.60	U	0.631	3.60
85-01-8	Phenanthrene	0.711	U	0.111	0.711
108-95-2	Phenol	0.711	U	0.147	0.711
129-00-0	Pyrene	1.18		0.332	0.711
110-86-1	Pyridine	1.42	U	1.06	1.42
1319-77-3M	m,p-Cresol	0.711	U	0.208	0.711
621-64-7	N-Nitroso-di-n-propylamine	0.711	U	0.161	0.711
62-75-9	N-Nitrosodimethylamine	1.42	U	0.855	1.42
86-30-6	N-Nitrosodiphenylamine	0.711	U	0.235	0.711
95-48-7	o-Cresol	0.711	U	0.362	0.711

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4475.d
Lab Smp Id: 20612072815 Client Smp ID: 20612072815
Inj Date : 11-DEC-2006 11:55
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072815*4482*
Misc Info : 20612072815*MSSV~4095~*120728*30.0-1X10*33846
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 13-Dec-2006 07:48 jar3 Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 30
Dil Factor: 10.00000
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	10.00000	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	0.672	0.678	(0.468)	20259	7.22940	2410
$	4 Phenol-d5	99	1.239	1.256	(0.862)	50498	7.83335	2610
*	10 1,4-Dichlorobenzene-d4	152	1.437	1.448	(1.000)	139425	40.0000	
$	19 Nitrobenzene-d5	82	1.833	1.839	(0.807)	22211	3.76767	1260
*	28 Naphthalene-d8	136	2.272	2.282	(1.000)	525569	40.0000	
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	36728	4.18994	1400
	42 Acenaphthylene	152	3.256	3.261	(0.974)	7861	0.75795	253
*	44 Acenaphthene-d10	164	3.341	3.347	(1.000)	272268	40.0000	
$	57 2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	11213	8.76095	2920
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	446213	40.0000	
	63 Anthracene	178	4.283	4.288	(1.011)	6452	0.46537	155

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)	
	69 Pyrene	202	5.106	5.112	(0.861)	27213	1.64398	548	
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	35891	3.54476	1180	
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	415227	40.0000		
	75 Chrysene	228	5.941	5.962	(1.002)	75057	5.64789	1880	
	78 Benzo(b)fluoranthene	252	6.732	6.743	(0.960)	25320	0.95372	318	(M2)
	80 Benzo(a)pyrene +	252	6.968	6.979	(0.994)	24705	1.35351	451	
*	81 Perylene-d12	264	7.011	7.016	(1.000)	536253	40.0000		
	82 Indeno(1,2,3-cd)pyrene	276	7.759	7.759	(1.308)	24812	2.70244	901	
	83 Dibenzo(a,h)anthracene	278	7.759	7.770	(1.107)	22614	4.05425	1350	
	84 Benzo(g,h,i)perylene	276	7.925	7.925	(1.130)	51997	2.69531	898	

QC Flag Legend

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

034606

Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

Client ID: 20612072815

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0

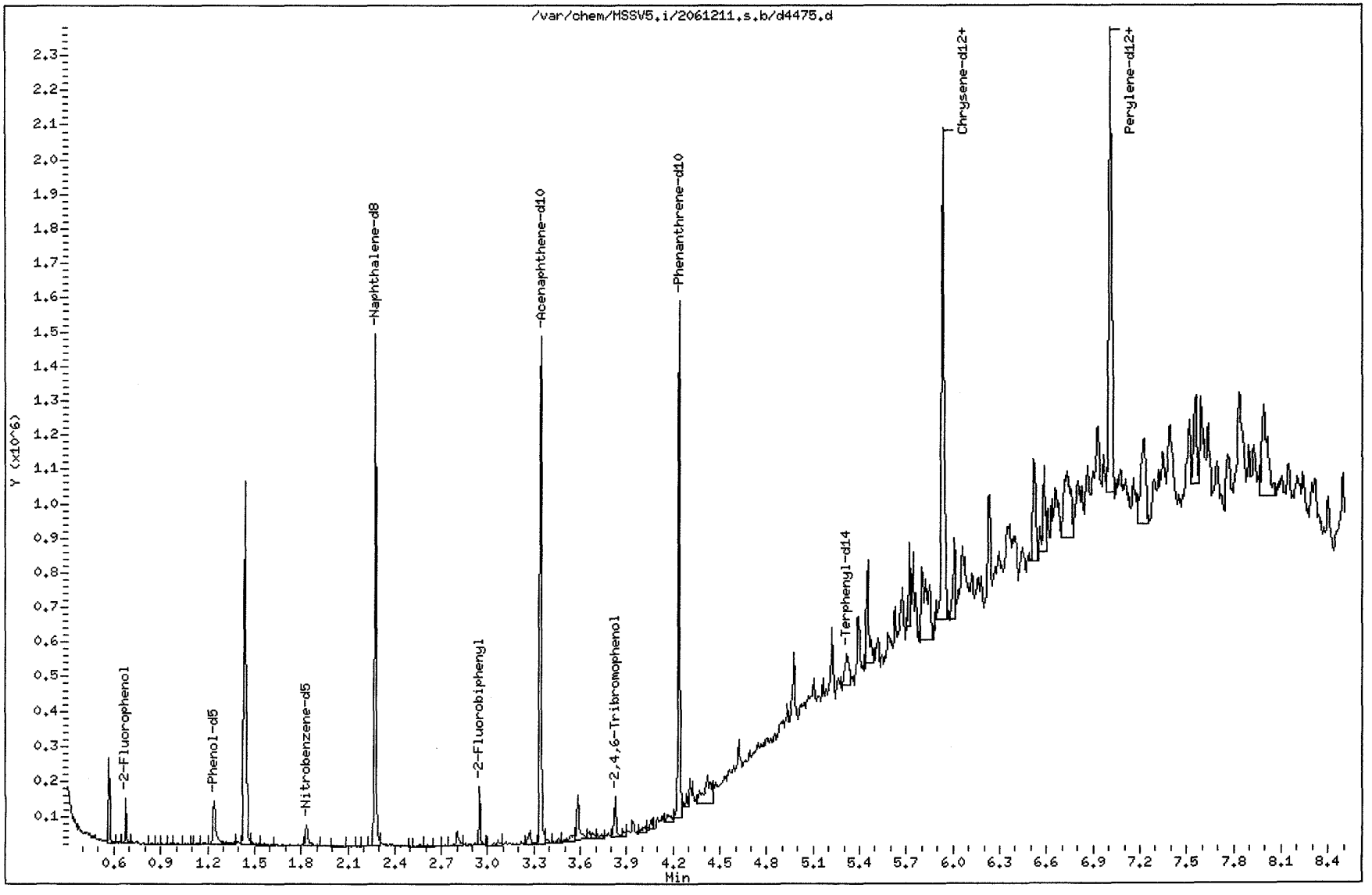
Column phase: RTX-5MS-30M

Instrument: MSSV5.i

Operator: rrr

Column diameter: 0.25

000522



034607

Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

Client ID: 20612072815

Instrument: MSSV5.i

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0

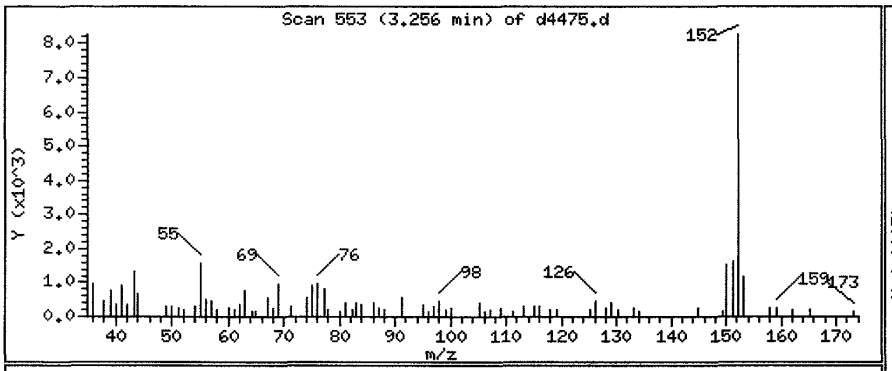
Operator: rrr

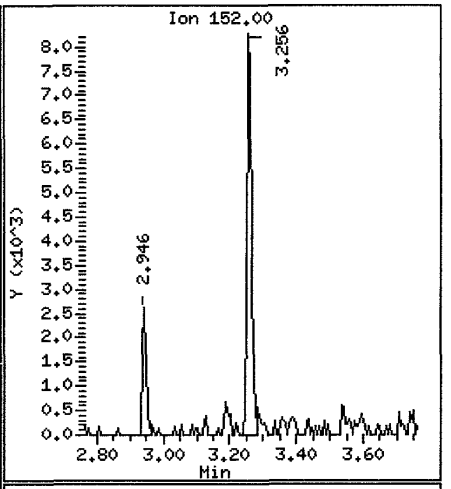
Column phase: RTX-5MS-30M

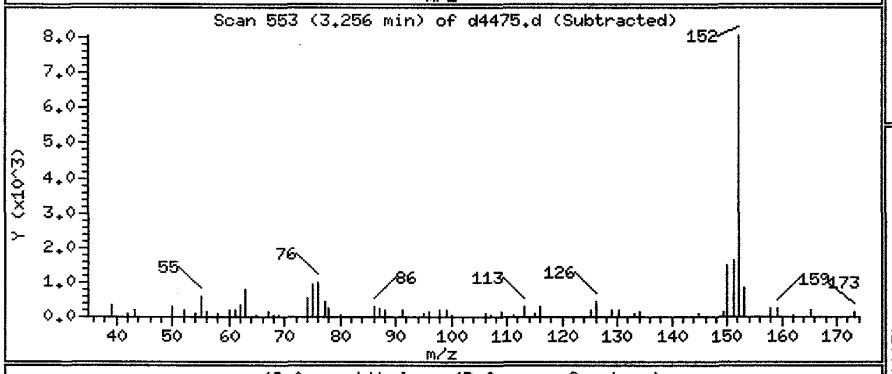
Column diameter: 0.25

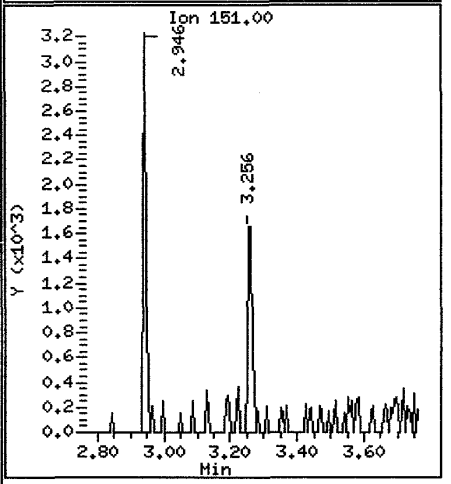
42 Acenaphthylene

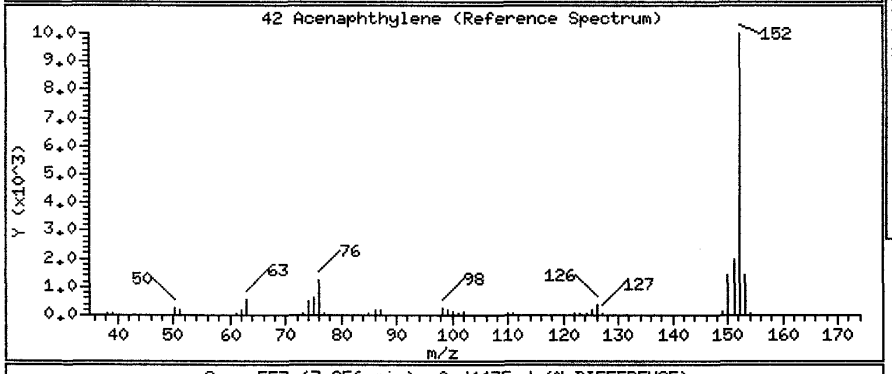
Concentration: 253 ug/Kg

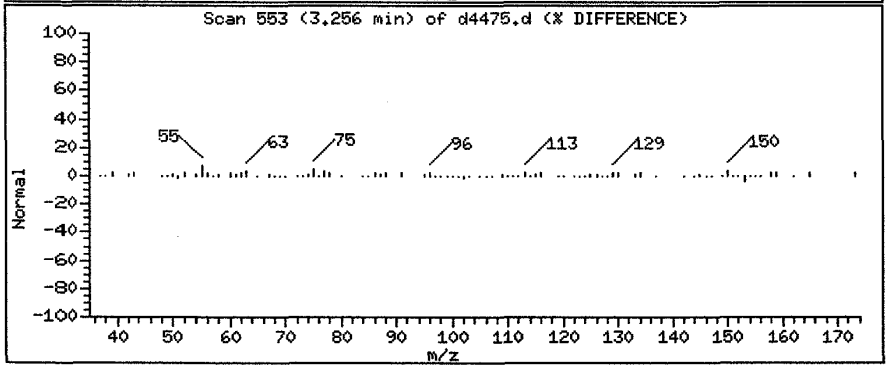












000523

034608

Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

Client ID: 20612072815

Instrument: MSSV5.i

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0

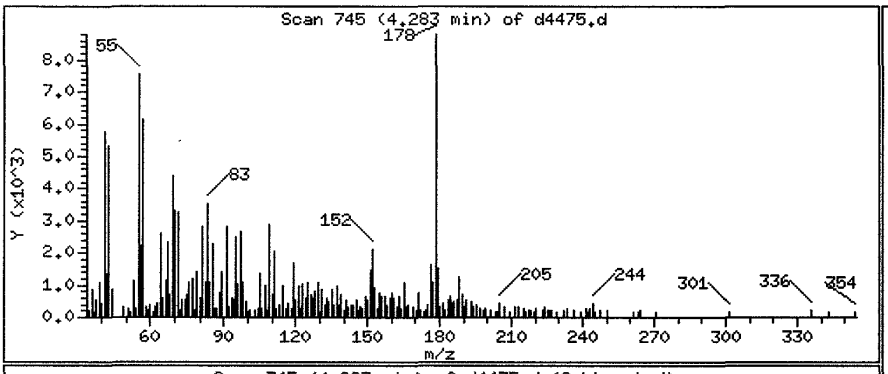
Operator: rrr

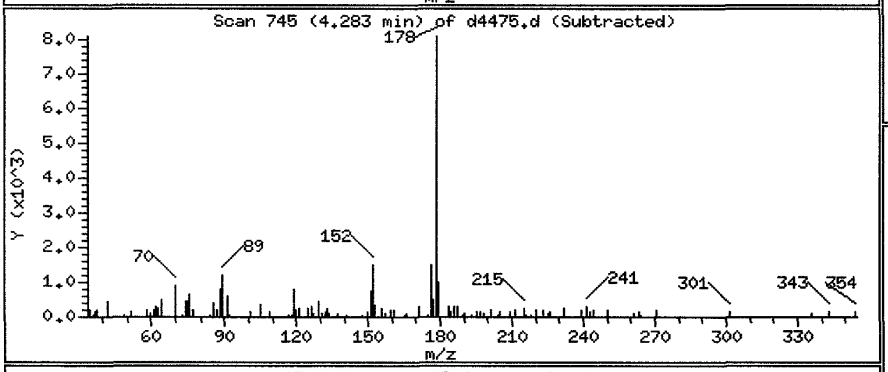
Column phase: RTX-5MS-30M

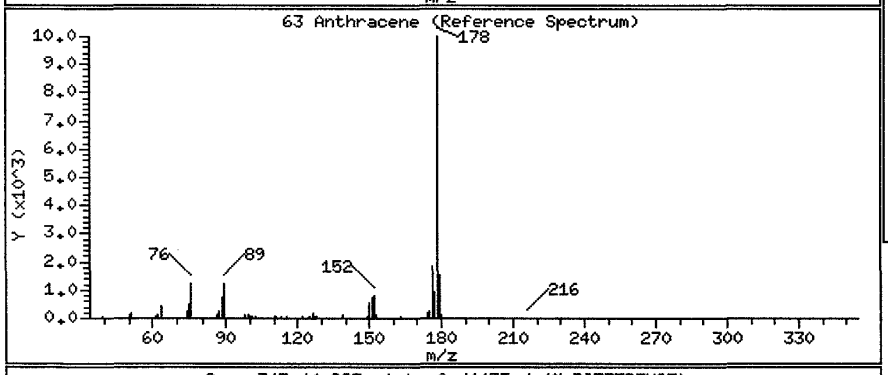
Column diameter: 0.25

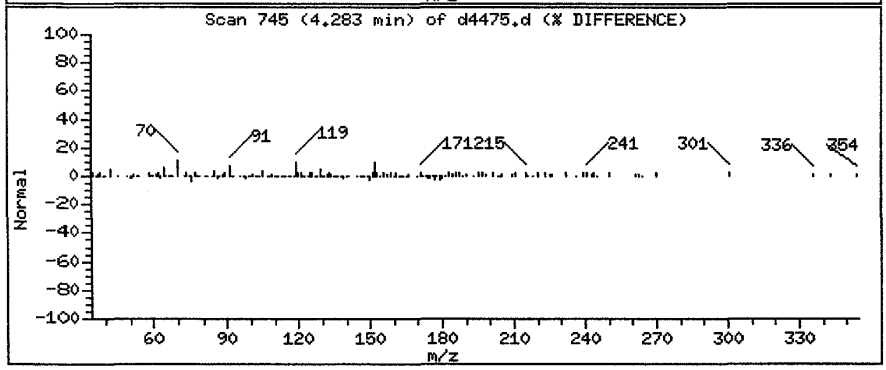
63 Anthracene

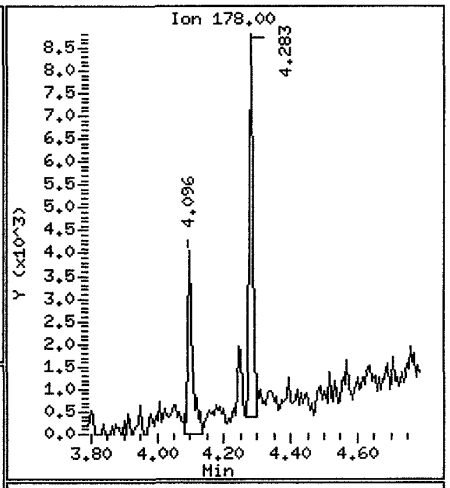
Concentration: 155 ug/Kg

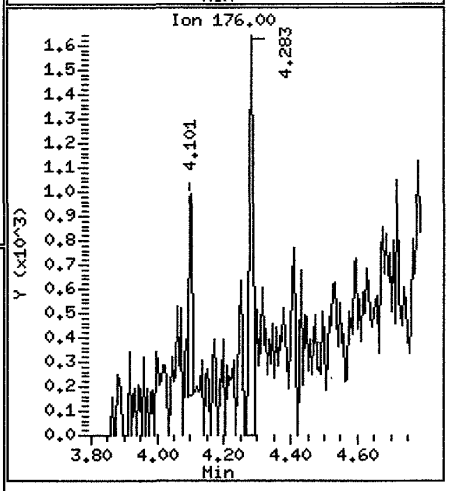












000524

Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

Client ID: 20612072815

Instrument: MSSV5.i

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0

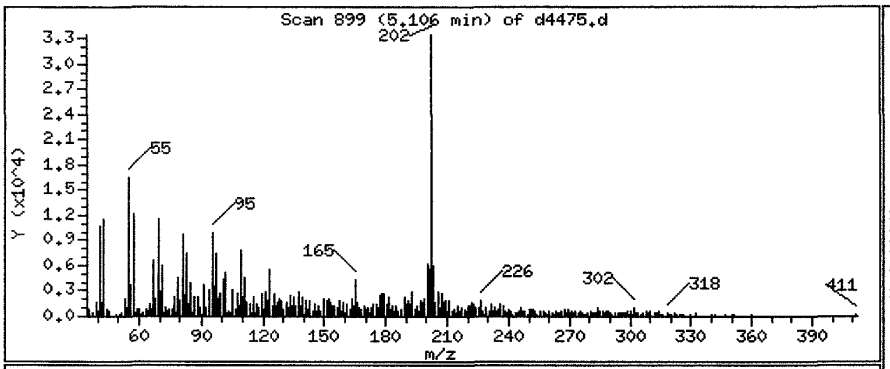
Operator: rrr

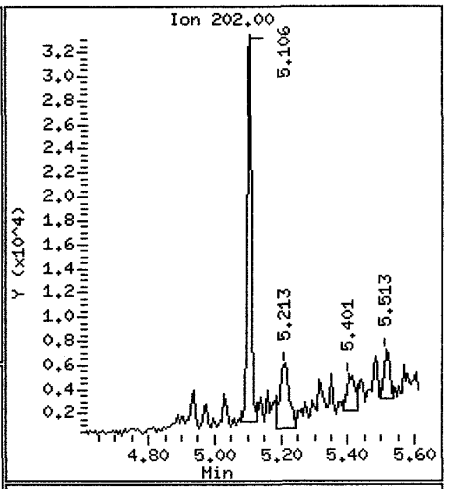
Column phase: RTX-5MS-30M

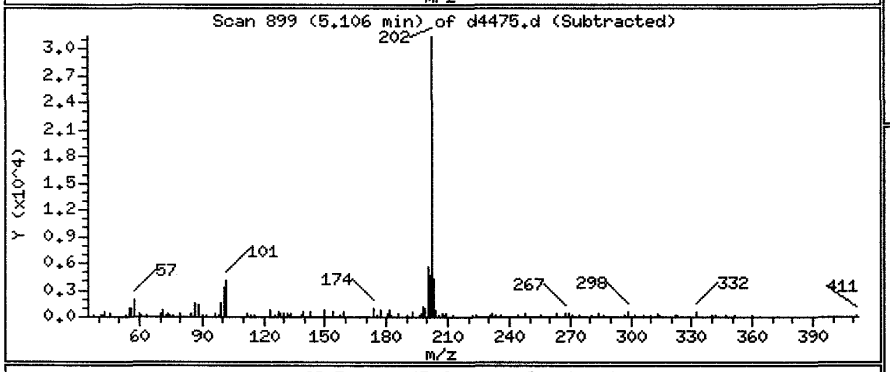
Column diameter: 0.25

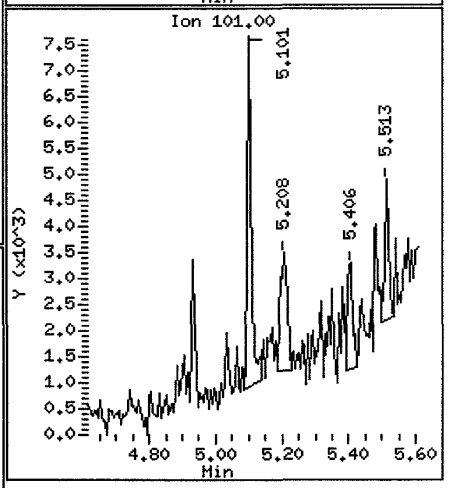
69 Pyrene

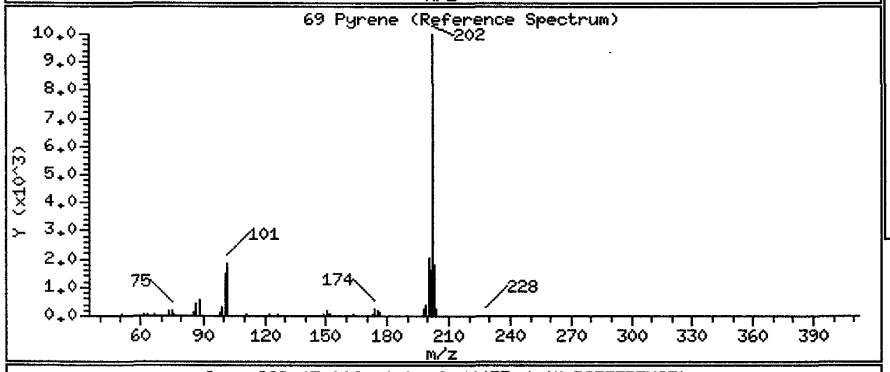
Concentration: 548 ug/Kg

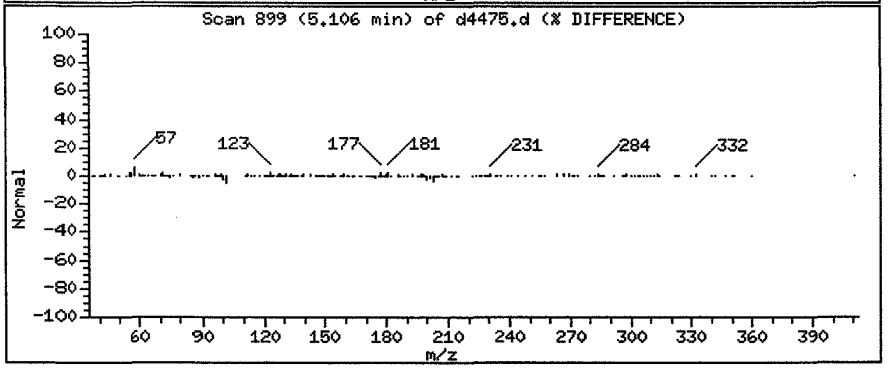












000525

034610

Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

Client ID: 20612072815

Instrument: MSSV5.i

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0

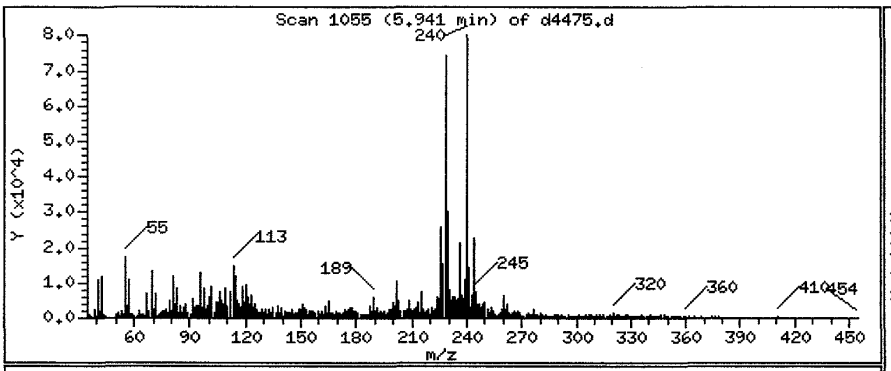
Operator: rrr

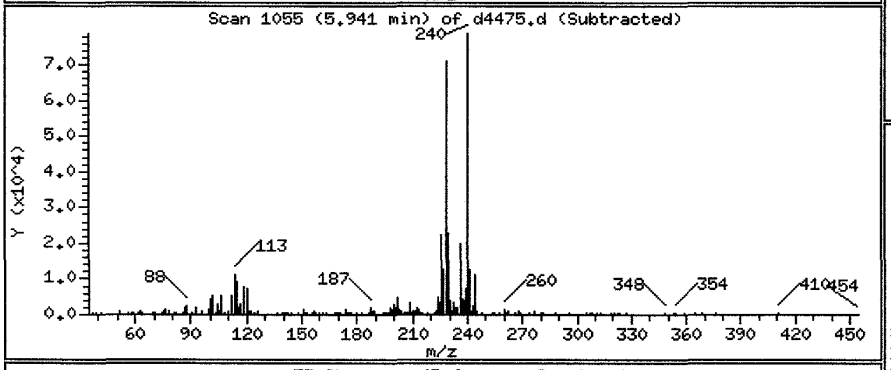
Column phase: RTX-5MS-30M

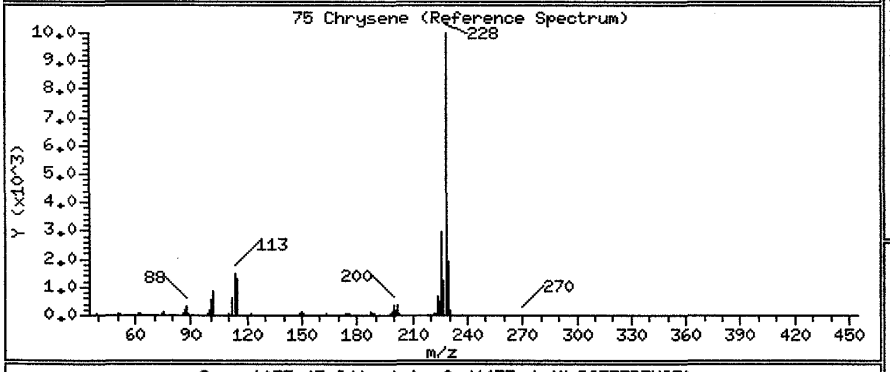
Column diameter: 0.25

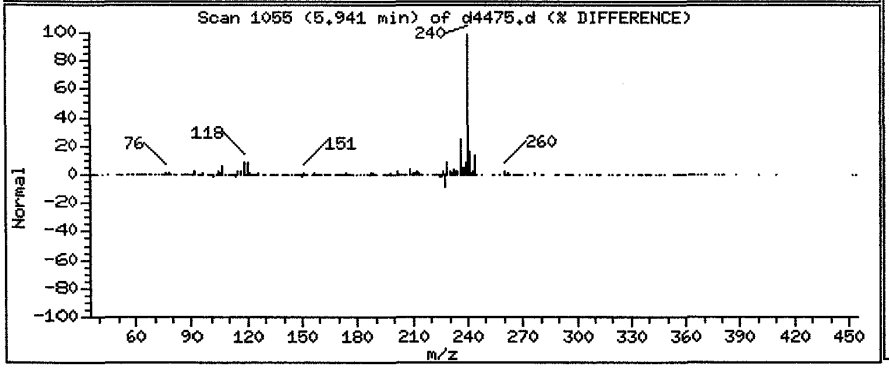
75 Chrysene

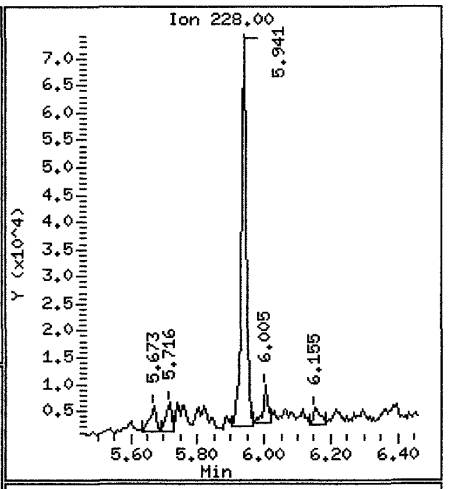
Concentration: 1880 ug/Kg

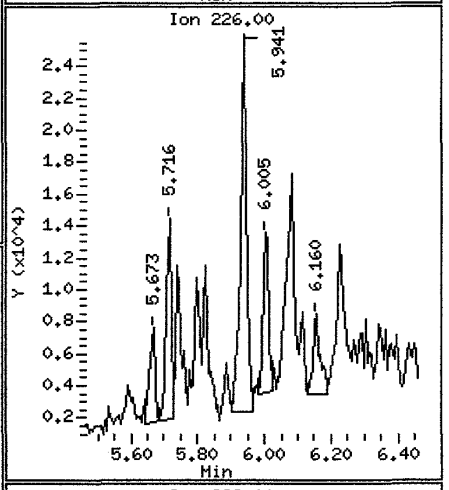


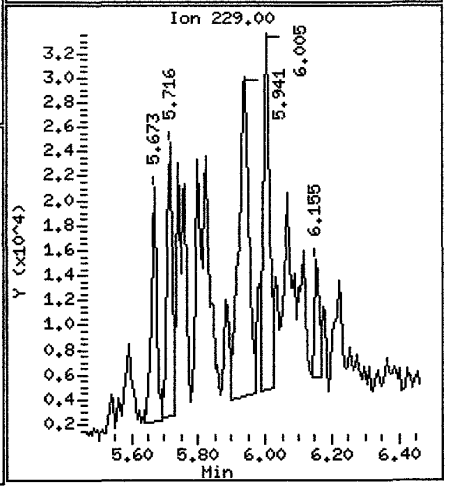












Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

Client ID: 20612072815

Instrument: MSSV5.i

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0

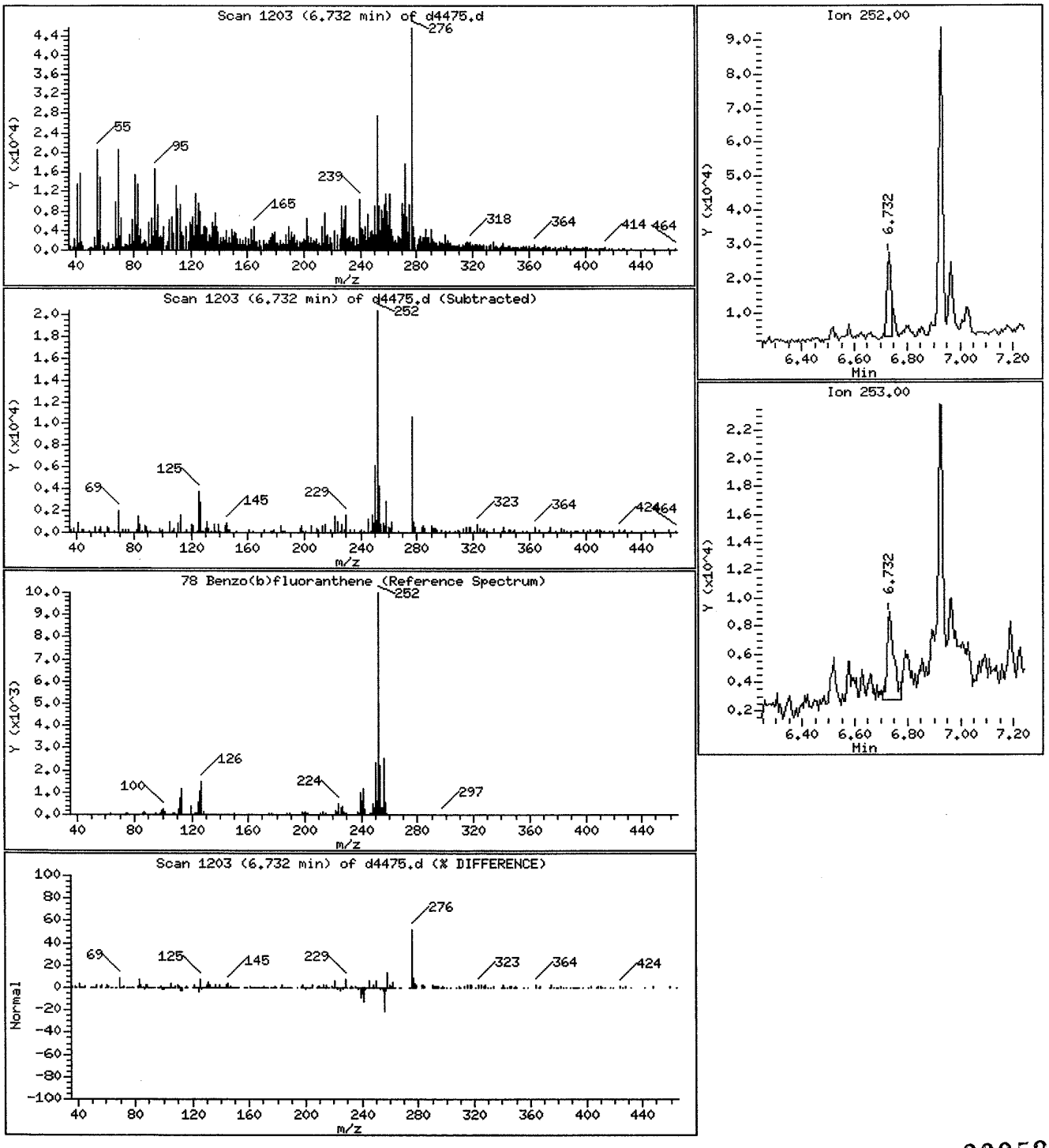
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

78 Benzo(b)fluoranthene

Concentration: 318 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

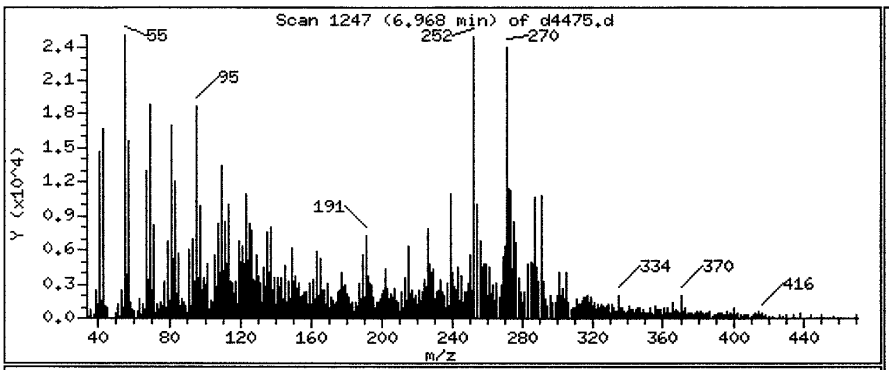
Client ID: 20612072815 Instrument: MSSV5.i

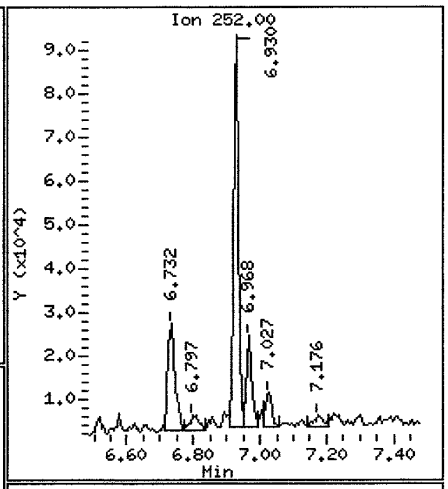
Sample Info: 20612072815*4482*

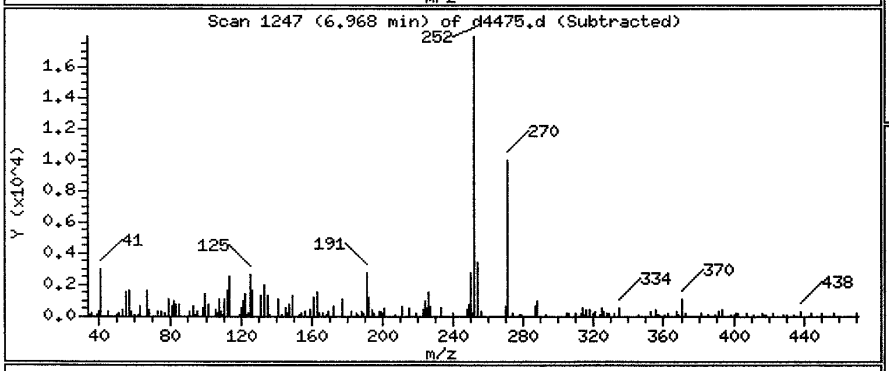
Volume Injected (uL): 1.0 Operator: rrr

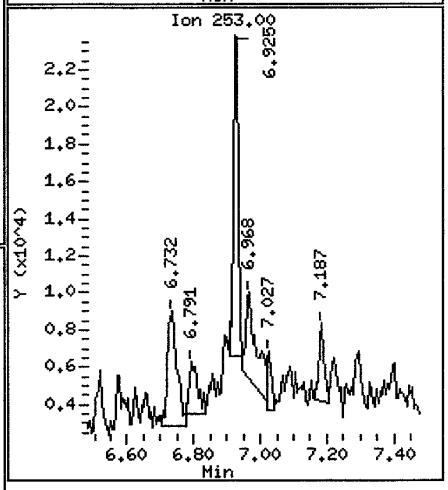
Column phase: RTX-5MS-30M Column diameter: 0.25

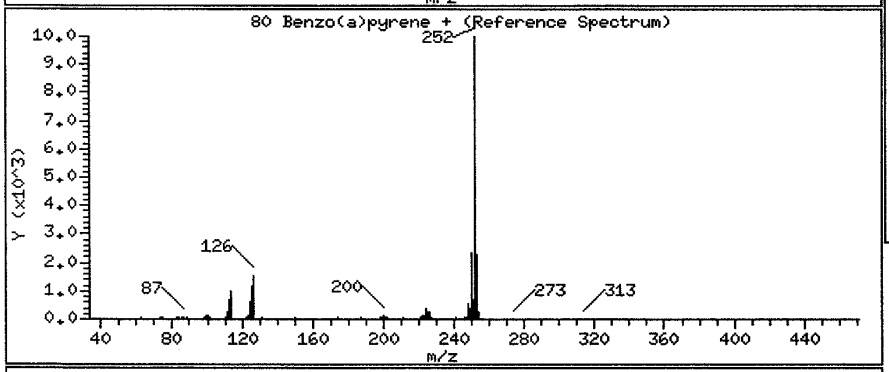
80 Benzo(a)pyrene + Concentration: 451 ug/Kg

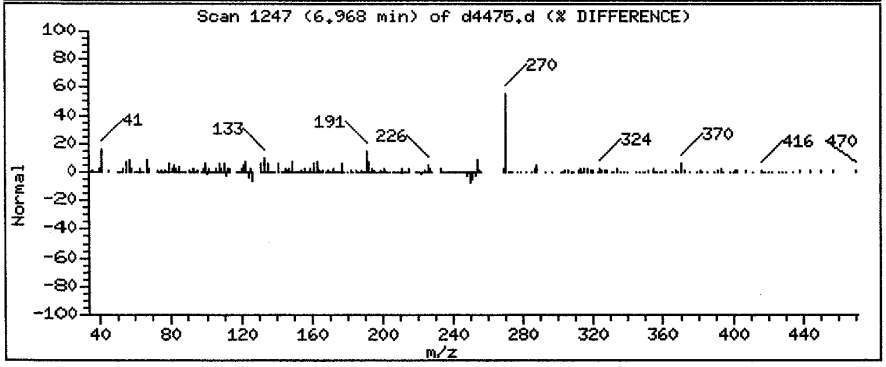












Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

Client ID: 20612072815

Instrument: MSSV5.i

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0

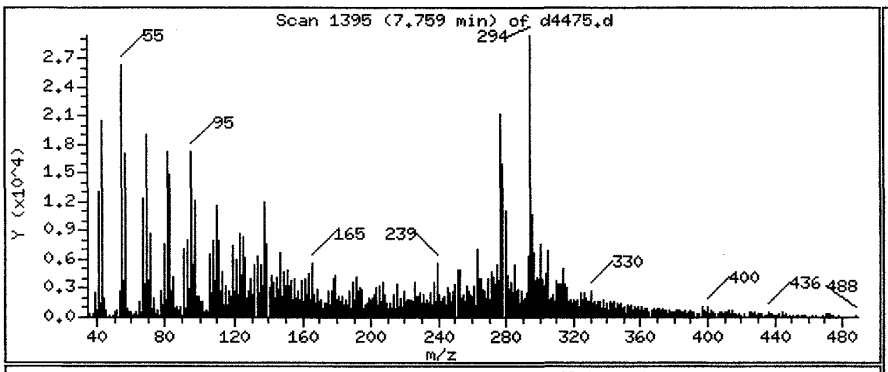
Operator: rrr

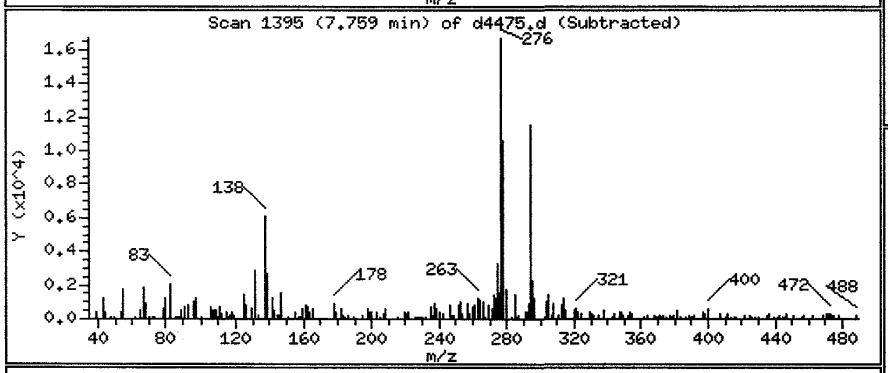
Column phase: RTX-5MS-30M

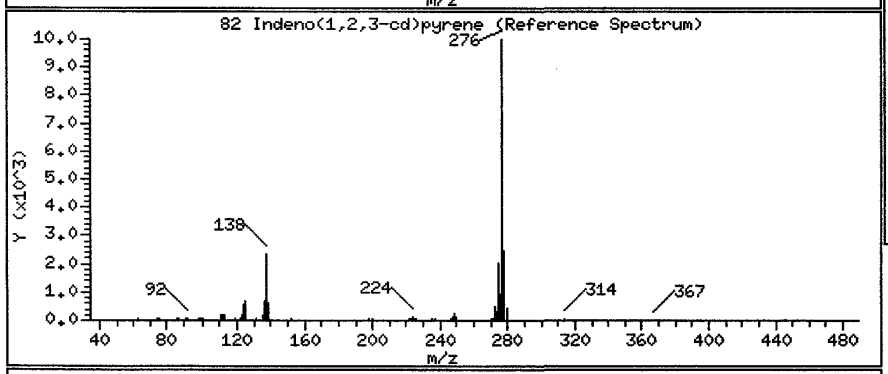
Column diameter: 0.25

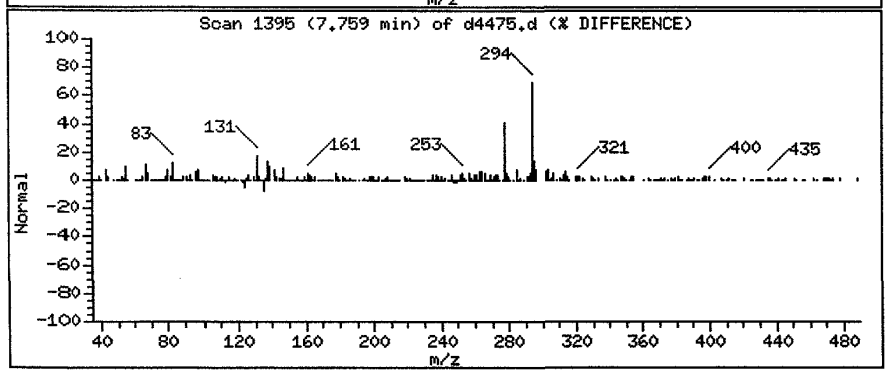
82 Indeno(1,2,3-cd)pyrene

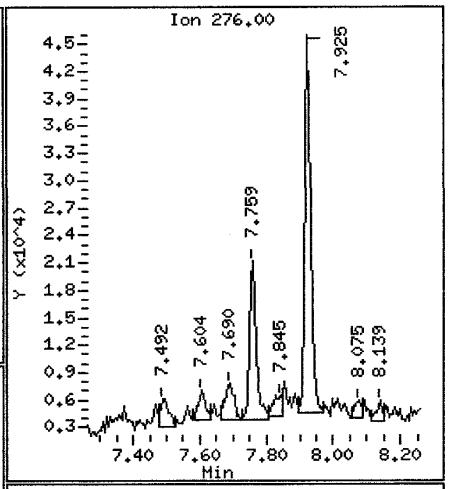
Concentration: 901 ug/Kg

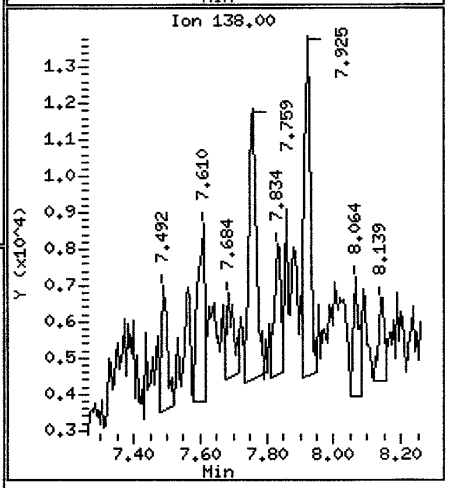












Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

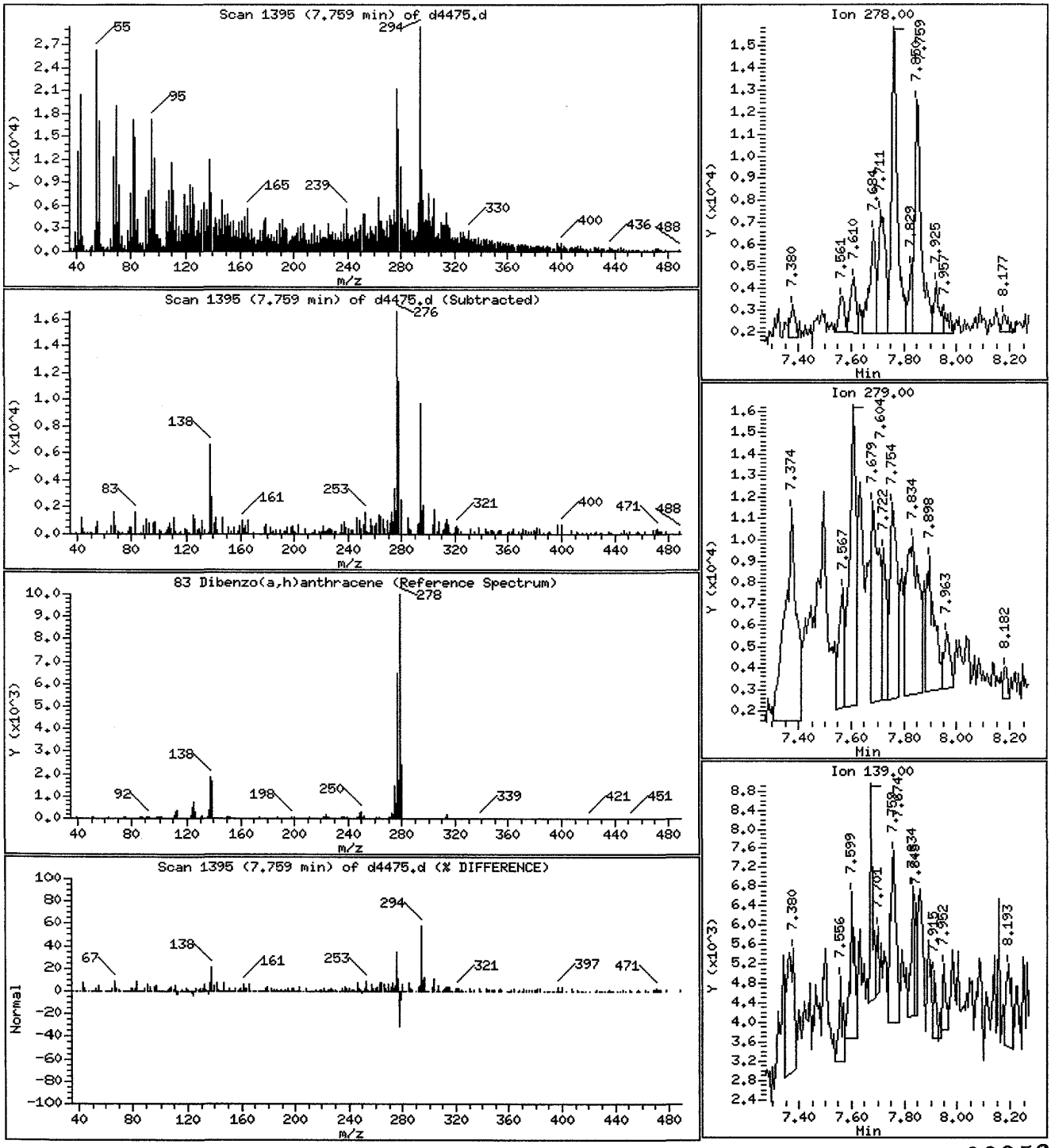
Client ID: 20612072815 Instrument: MSSV5.i

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

83 Dibenzo(a,h)anthracene Concentration: 1350 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4475.d

Date : 11-DEC-2006 11:55

Client ID: 20612072815

Instrument: MSSV5.i

Sample Info: 20612072815*4482*

Volume Injected (uL): 1.0

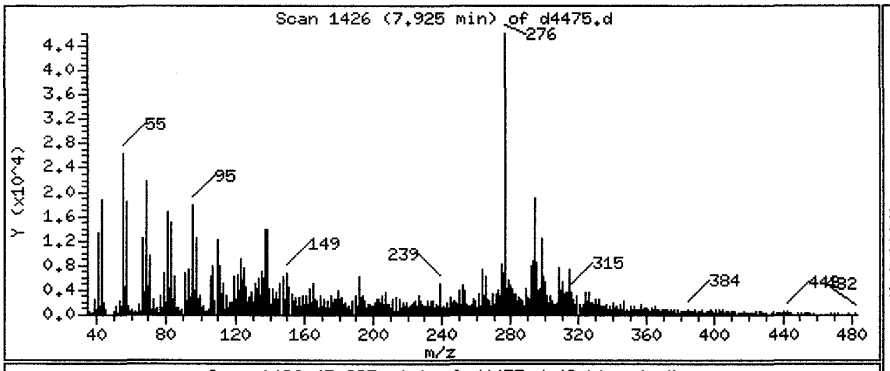
Operator: rrr

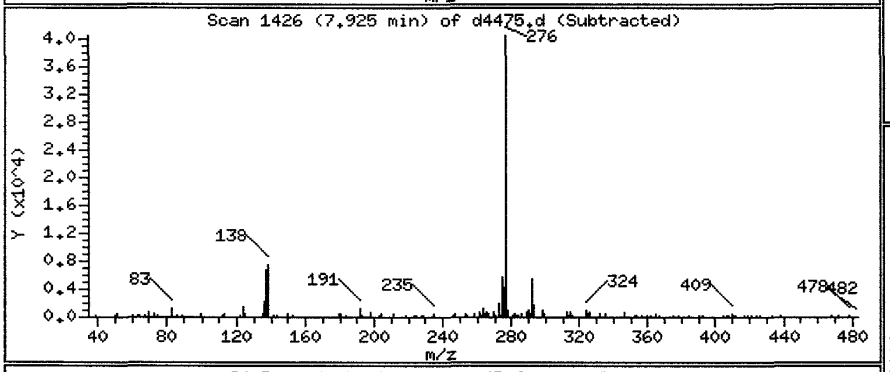
Column phase: RTX-5MS-30M

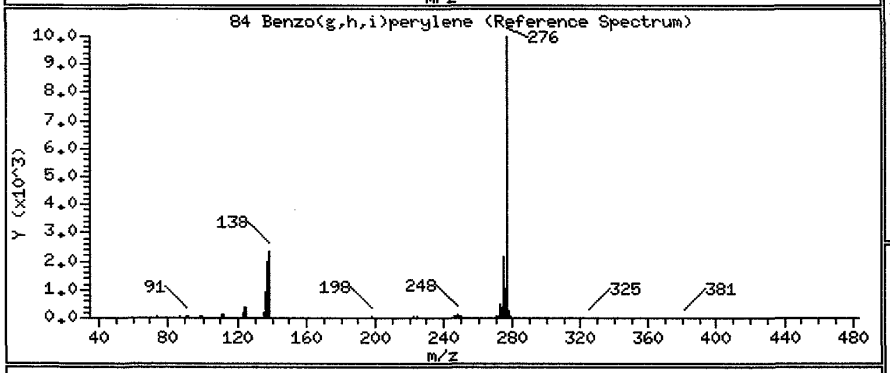
Column diameter: 0.25

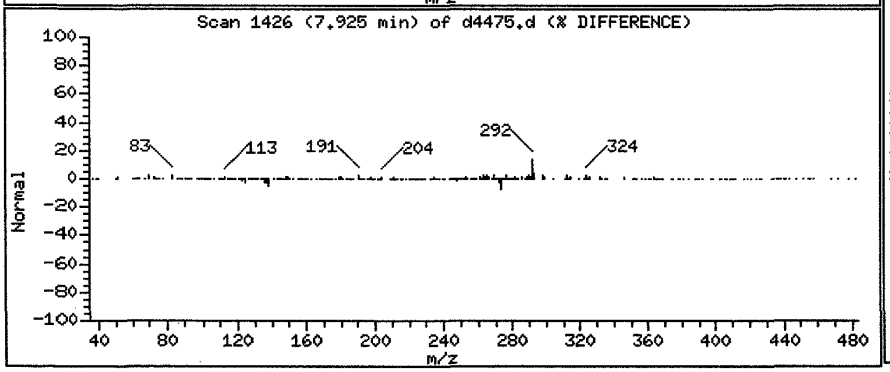
84 Benzo(g,h,i)perylene

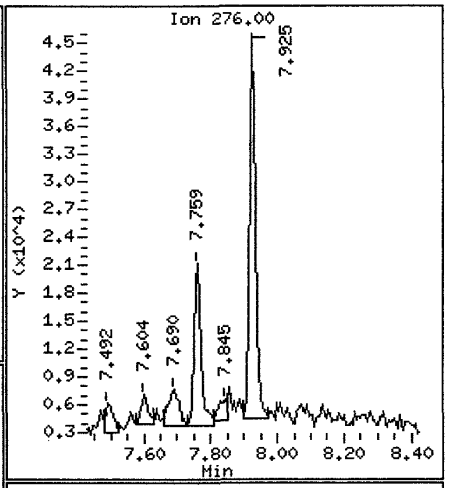
Concentration: 898 ug/Kg

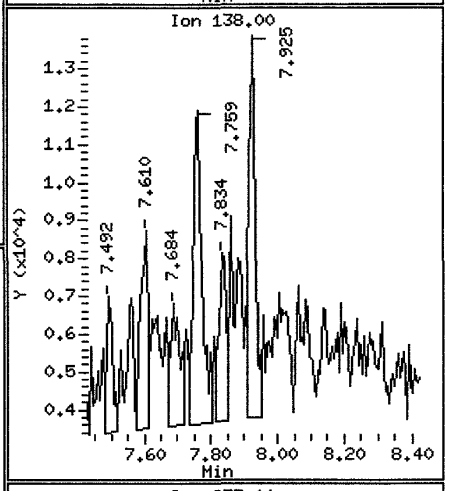


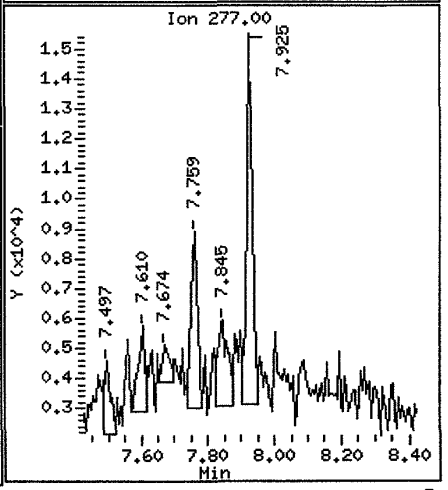










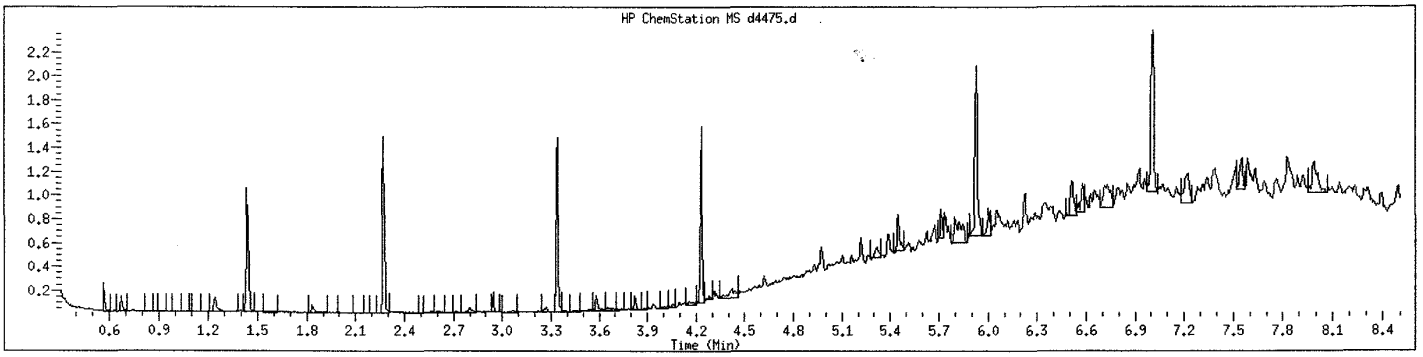


000531

034616

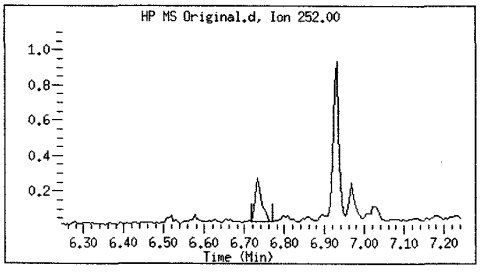
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072815	SampleType	: SAMPLE
Injection Date	: 12/11/2006 11:55	Instrument	: MSSV5.i
Operator	: rrr		
Sample Info	: 20612072815*4482*		
Misc Info	: 20612072815*MSSV~4095~*120728*30.0-1X10*33846		
Method	: /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m		
Dilution	: 10.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist	: SA8270



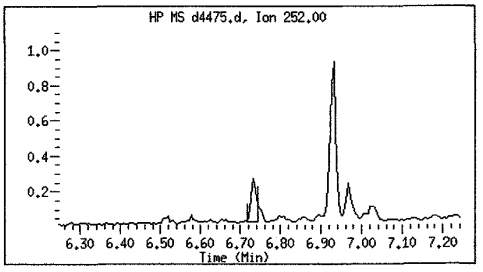
Original Final

78 Benzo(b)fluoranthene CAS#: 205-99-2 Reason: M2



Electronic Signature Applied

User: rrr
Date: 12/15/2006 06:02



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

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 65.7 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: 2WSED15-015 (0-0.5)
Contract:
Lab File ID: 2061213/d4532
Lab Sample ID: 20612072816
Date Collected: 12/06/06 Time: 1135
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/13/06 Time: 1042
Dilution Factor: 5 Analyst: JAR3
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338715

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	4.80	U	0.085	4.80
95-95-4	2,4,5-Trichlorophenol	4.80	U	0.109	4.80
88-06-2	2,4,6-Trichlorophenol	4.80	U	0.083	4.80
120-83-2	2,4-Dichlorophenol	4.80	U	0.361	4.80
51-28-5	2,4-Dinitrophenol	24.3	U	0.277	24.3
121-14-2	2,4-Dinitrotoluene	4.80	U	0.392	4.80
606-20-2	2,6-Dinitrotoluene	4.80	U	0.083	4.80
91-58-7	2-Chloronaphthalene	4.80	U	0.352	4.80
95-57-8	2-Chlorophenol	4.80	U	0.361	4.80
91-57-6	2-Methylnaphthalene	0.961	U	0.104	0.961
88-74-4	2-Nitroaniline	24.3	U	0.110	24.3
88-75-5	2-Nitrophenol	4.80	U	0.140	4.80
91-94-1	3,3'-Dichlorobenzidine	9.61	U	0.815	9.61
99-09-2	3-Nitroaniline	24.3	U	0.096	24.3
534-52-1	2-Methyl-4,6-dinitrophenol	24.3	U	0.182	24.3
59-50-7	4-Chloro-3-methylphenol	4.80	U	0.144	4.80
106-47-8	4-Chloroaniline	4.80	U	0.594	4.80
7005-72-3	4-Chlorophenyl-phenylether	4.80	U	0.068	4.80
83-32-9	Acenaphthene	0.961	U	0.104	0.961
208-96-8	Acenaphthylene	0.961	U	0.105	0.961
98-86-2	Acetophenone	4.80	U	0.119	4.80
62-53-3	Aniline	4.80	U	0.622	4.80
120-12-7	Anthracene	0.961	U	0.072	0.961
1912-24-9	Atrazine (Aatrex)	9.61	U	0.231	9.61
100-52-7	Benzaldehyde	9.61	U	0.383	9.61
92-87-5	Benzidine	19.2	U	4.57	19.2
56-55-3	Benzo(a)anthracene	0.207	J	0.085	0.961
50-32-8	Benzo(a)pyrene	0.163	J	0.114	0.961
205-99-2	Benzo(b)fluoranthene	4.80	U	0.092	4.80

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 65.7 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: 2WSED15-015 (0-0.5)
Contract:
Lab File ID: 2061213/d4532
Lab Sample ID: 20612072816
Date Collected: 12/06/06 Time: 1135
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/13/06 Time: 1042
Dilution Factor: 5 Analyst: JAR3
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338715

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	4.80	U	0.389	4.80
207-08-9	Benzo(k)fluoranthene	4.80	U	0.130	4.80
65-85-0	Benzoic acid	24.3	U	2.24	24.3
100-51-6	Benzyl alcohol	4.80	U	0.105	4.80
92-52-4	Biphenyl	4.80	U	0.080	4.80
111-91-1	Bis(2-Chloroethoxy)methane	4.80	U	0.075	4.80
111-44-4	Bis(2-Chloroethyl)ether	4.80	U	0.523	4.80
108-60-1	bis(2-Chloroisopropyl)ether	4.80	U	0.473	4.80
117-81-7	bis(2-ethylhexyl)phthalate	0.961	U	0.229	0.961
101-55-3	4-Bromophenyl-phenylether	4.80	U	0.179	4.80
85-68-7	Butylbenzylphthalate	4.80	U	0.111	4.80
105-60-2	Caprolactam	4.80	U	0.142	4.80
86-74-8	Carbazole	4.80	U	0.099	4.80
218-01-9	Chrysene	0.390	J	0.153	4.80
84-74-2	Di-n-butylphthalate	4.80	U	0.097	4.80
117-84-0	Di-n-octylphthalate	4.80	U	0.101	4.80
53-70-3	Dibenz(a,h)anthracene	0.961	U	0.448	0.961
132-64-9	Dibenzofuran	4.80	U	0.062	4.80
84-66-2	Diethylphthalate	4.80	U	0.079	4.80
131-11-3	Dimethyl-phthalate	4.80	U	0.285	4.80
105-67-9	2,4-Dimethylphenol	4.80	U	0.792	4.80
206-44-0	Fluoranthene	4.80	U	0.128	4.80
86-73-7	Fluorene	0.961	U	0.081	0.961
118-74-1	Hexachlorobenzene	4.80	U	0.140	4.80
77-47-4	Hexachlorocyclopentadiene	4.80	U	0.355	4.80
67-72-1	Hexachloroethane	4.80	U	0.640	4.80
193-39-5	Indeno(1,2,3-cd)pyrene	0.655	J	0.332	4.80
78-59-1	Isophorone	4.80	U	0.067	4.80
100-01-6	4-Nitroaniline	24.3	U	0.562	24.3

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 65.7 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: 2WSED15-015 (0-0.5)
Contract:
Lab File ID: 2061213/d4532
Lab Sample ID: 20612072816
Date Collected: 12/06/06 Time: 1135
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/13/06 Time: 1042
Dilution Factor: 5 Analyst: JAR3
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338715

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	4.80	U	0.495	4.80
100-02-7	4-Nitrophenol	24.3	U	0.120	24.3
87-86-5	Pentachlorophenol	24.3	U	0.427	24.3
85-01-8	Phenanthrene	0.961	U	0.075	0.961
108-95-2	Phenol	4.80	U	0.100	4.80
129-00-0	Pyrene	0.629	J	0.224	4.80
110-86-1	Pyridine	4.80	U	0.716	4.80
1319-77-3M	m,p-Cresol	4.80	U	0.140	4.80
621-64-7	N-Nitroso-di-n-propylamine	0.961	U	0.109	0.961
62-75-9	N-Nitrosodimethylamine	4.80	U	0.578	4.80
86-30-6	N-Nitrosodiphenylamine	4.80	U	0.159	4.80
95-48-7	o-Cresol	4.80	U	0.245	4.80

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061213.s.b/d4532.d
Lab Smp Id: 20612072816 Client Smp ID: 20612072816
Inj Date : 13-DEC-2006 10:42
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 20612072816*4482*
Misc Info : 20612072816*MSSV~4102~*120728*30.0-1X5*338464
Comment :
Method : /var/chem/MSSV5.i/2061213.s.b/8270CE_05.m
Meth Date : 13-Dec-2006 10:31 jar3 Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 5
Dil Factor: 5.00000
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	5.00000	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	0.662	0.662	(0.466)	86965	14.1688	2360
$	4 Phenol-d5	99	1.218	1.223	(0.857)	235848	16.7035	2780
*	10 1,4-Dichlorobenzene-d4	152	1.421	1.421	(1.000)	305378	40.0000	
$	19 Nitrobenzene-d5	82	1.812	1.812	(0.803)	107137	7.22170	1200
*	28 Naphthalene-d8	136	2.256	2.256	(1.000)	1322619	40.0000	
$	37 2-Fluorobiphenyl	172	2.930	2.930	(0.881)	172407	7.56209	1260
*	44 Acenaphthene-d10	164	3.326	3.325	(1.000)	708142	40.0000	
$	57 2,4,6-Tribromophenol	332	3.807	3.807	(1.145)	39412	11.8395	1970
*	61 Phenanthrene-d10	188	4.219	4.219	(1.000)	996261	40.0000	
	69 Pyrene	202	5.085	5.085	(0.861)	25534	1.29377	216
$	70 Terphenyl-d14	244	5.198	5.197	(0.880)	105360	8.72761	1450

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	72 Benzo(a)anthracene	228	5.925	5.898	(1.004)	12717	0.42612	71.0
*	74 Chrysene-d12	240	5.904	5.903	(1.000)	495071	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.973	5.973	(1.012)	3335	0.32214	53.7
	75 Chrysene	228	5.925	5.925	(1.004)	12717	0.80260	134
	80 Benzo(a)pyrene +	252	6.941	6.930	(0.995)	4839	0.33638	56.1
*	81 Perylene-d12	264	6.973	6.973	(1.000)	422640	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.733	7.717	(1.310)	4896	1.35148	225
	84 Benzo(g,h,i)perylene	276	7.899	7.877	(1.133)	6358	0.41817	69.7

034622

Data File: /var/chem/MSSV5.i/2061213.s.b/d4532.d

Page 1

Date : 13-DEC-2006 10:42

Client ID: 20612072816

Instrument: MSSV5.i

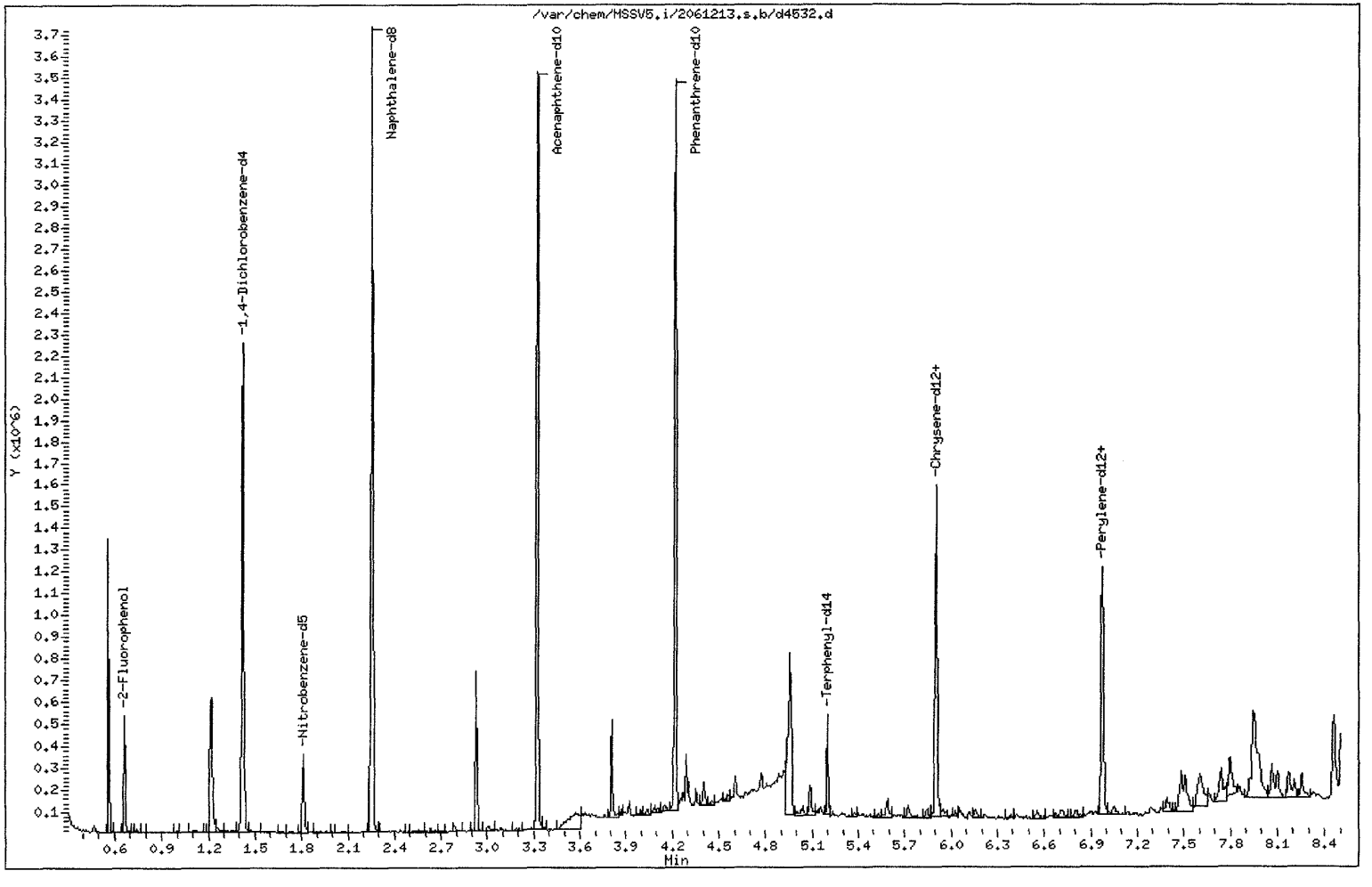
Sample Info: 20612072816*4482*

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 0.25



034623

Data File: /var/chem/MSSV5.i/2061213.s.b/d4532.d

Date : 13-DEC-2006 10:42

Client ID: 20612072816

Instrument: MSSV5.i

Sample Info: 20612072816x4482x

Volume Injected (uL): 1.0

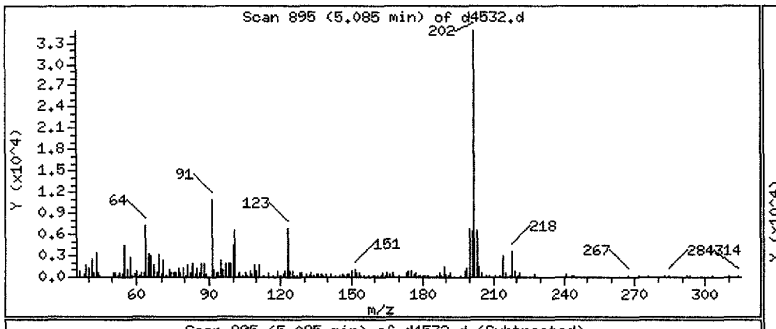
Operator: jar3

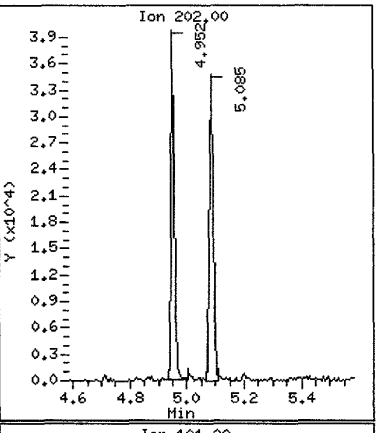
Column phase: RTX-5MS-30M

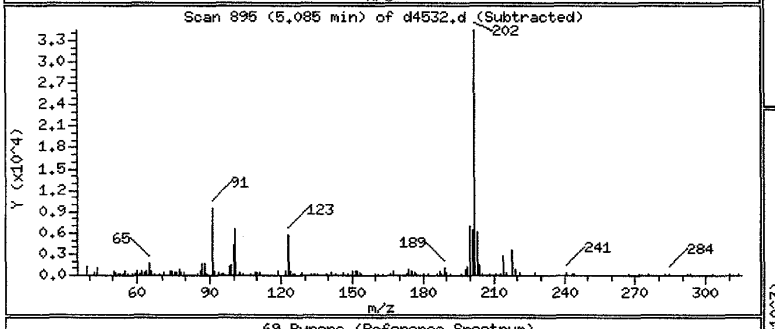
Column diameter: 0.25

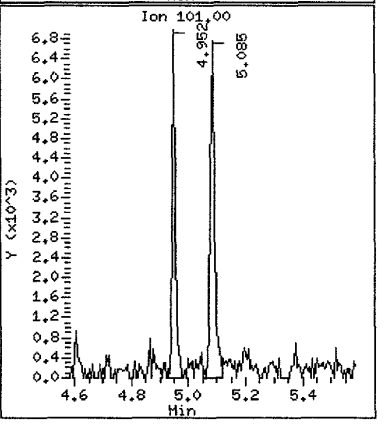
69 Pyrene

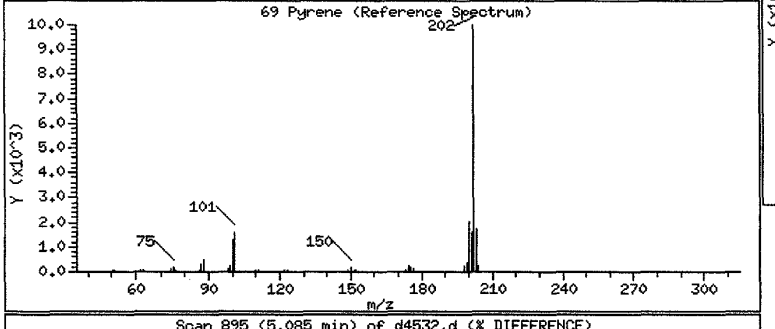
Concentration: 216 ug/Kg

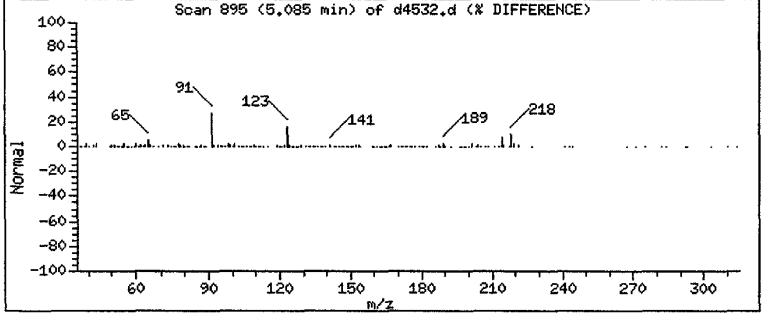












Data File: /var/chem/MSSV5.i/2061213.s.b/d4532.d

Date : 13-DEC-2006 10:42

Client ID: 20612072816

Instrument: MSSV5.i

Sample Info: 20612072816*4482*

Volume Injected (uL): 1.0

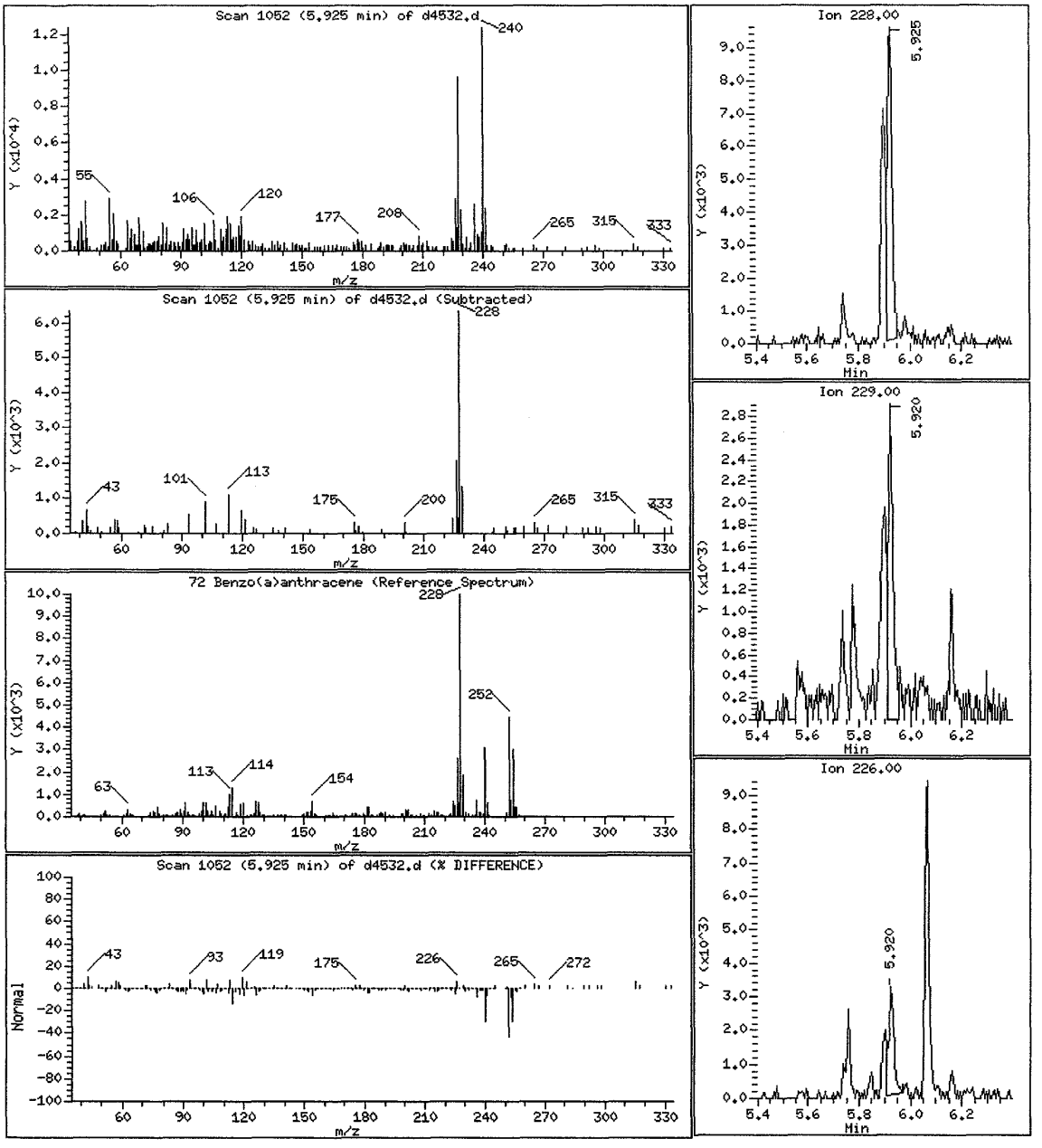
Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 0.25

72 Benzo(a)anthracene

Concentration: 71.0 ug/Kg



Data File: /var/chem/MSSV5.i/2061213.s.b/d4532.d

Date : 13-DEC-2006 10:42

Client ID: 20612072816

Instrument: MSSV5.i

Sample Info: 20612072816*4482*

Volume Injected (uL): 1.0

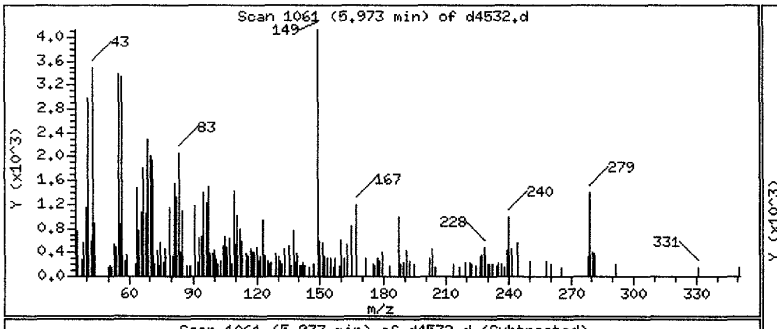
Operator: jar3

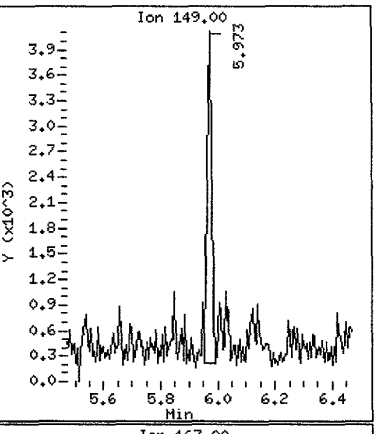
Column phase: RTX-5MS-30M

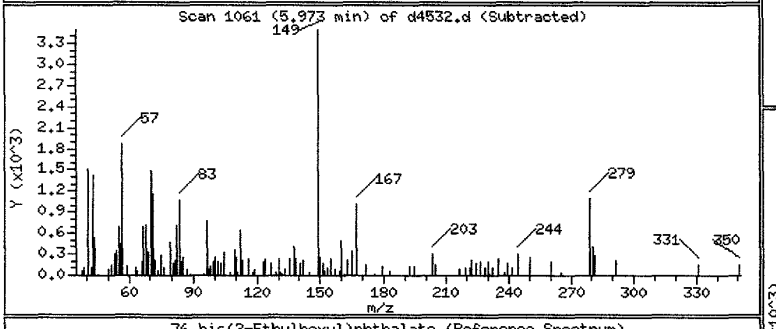
Column diameter: 0.25

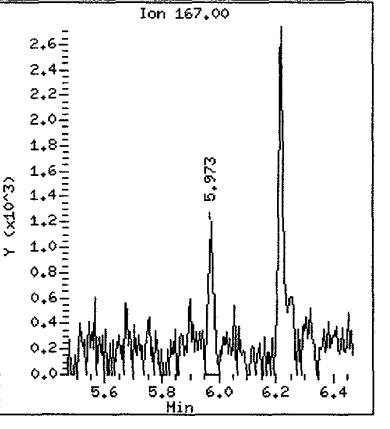
76 bis(2-Ethylhexyl)phthalate

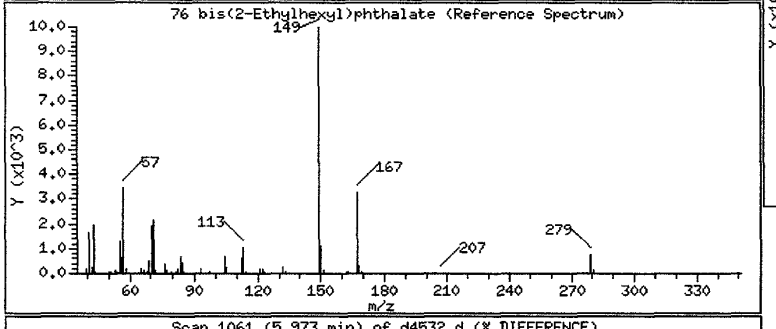
Concentration: 53.7 ug/Kg

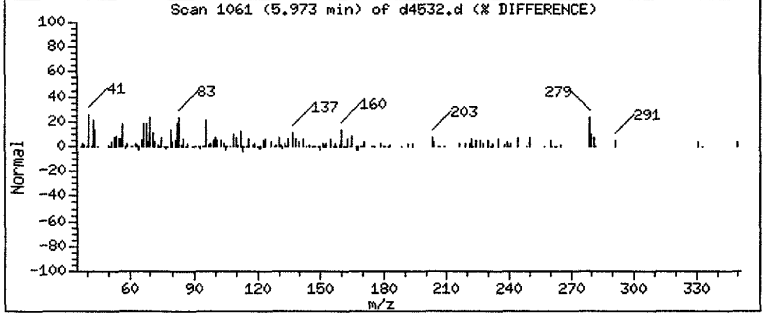












Data File: /var/chem/MSSV5.i/2061213.s.b/d4532.d

Date : 13-DEC-2006 10:42

Client ID: 20612072816

Instrument: MSSV5.i

Sample Info: 20612072816x4482x

Volume Injected (uL): 1.0

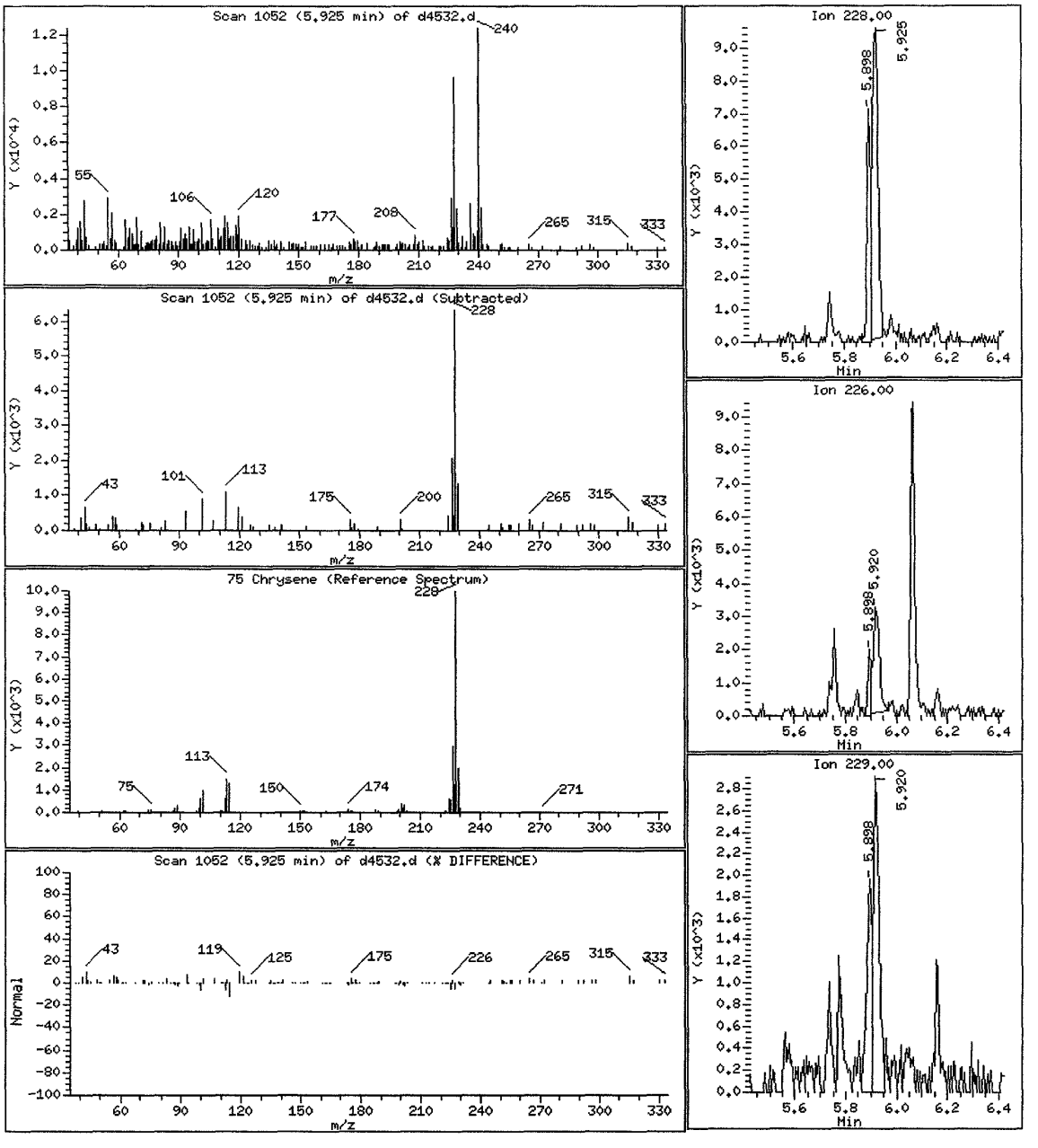
Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 0.25

75 Chrysene

Concentration: 134 ug/Kg



000542

Data File: /var/chem/MSSV5.i/2061213.s.b/d4532.d

Date : 13-DEC-2006 10:42

Client ID: 20612072816

Instrument: MSSV5.i

Sample Info: 20612072816*4482*

Volume Injected (uL): 1.0

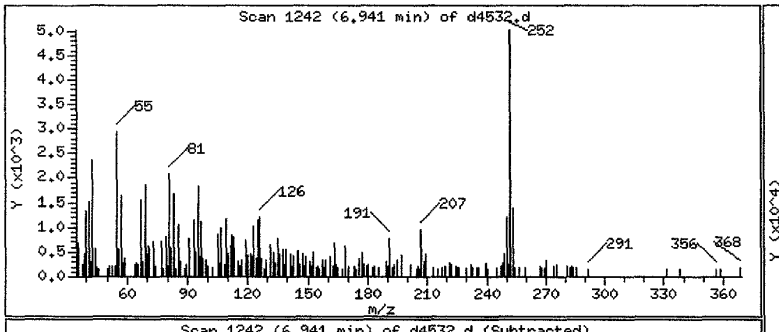
Operator: jar3

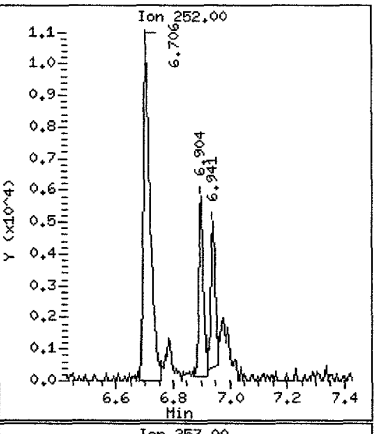
Column phase: RTX-5MS-30M

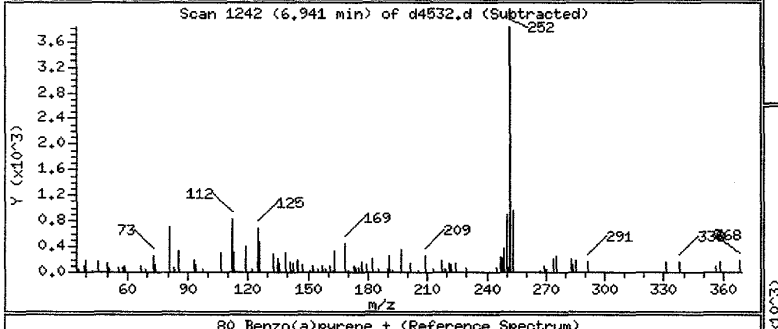
Column diameter: 0.25

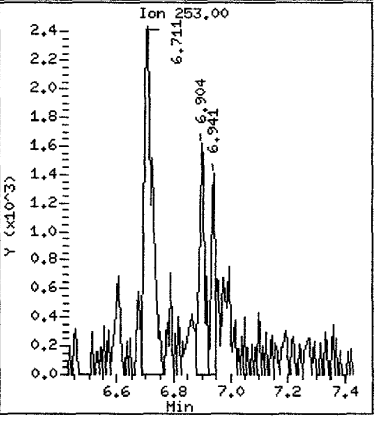
80 Benzo(a)pyrene +

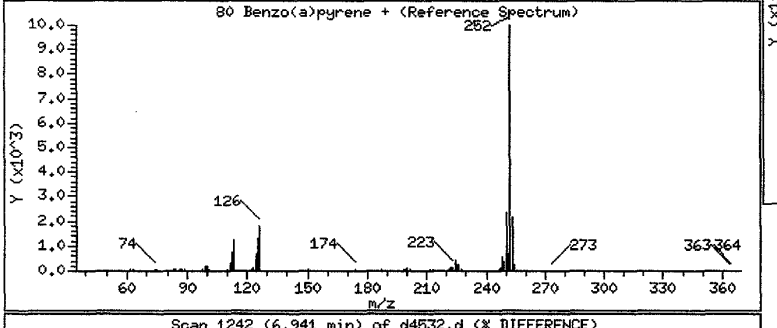
Concentration: 56.1 ug/Kg

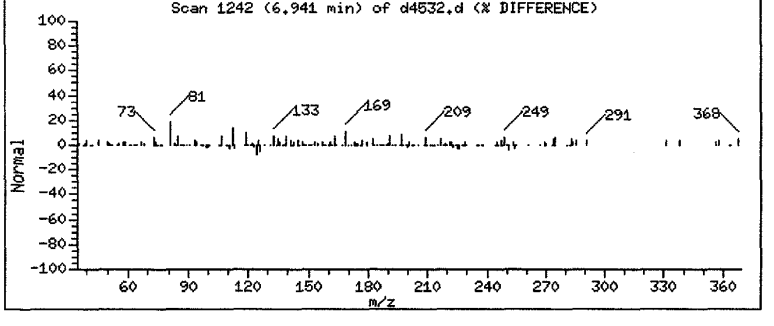












Data File: /var/chem/MSSV5.i/2061213.s.b/d4532.d

Date : 13-DEC-2006 10:42

Client ID: 20612072816

Instrument: MSSV5.i

Sample Info: 20612072816x4482x

Volume Injected (uL): 1.0

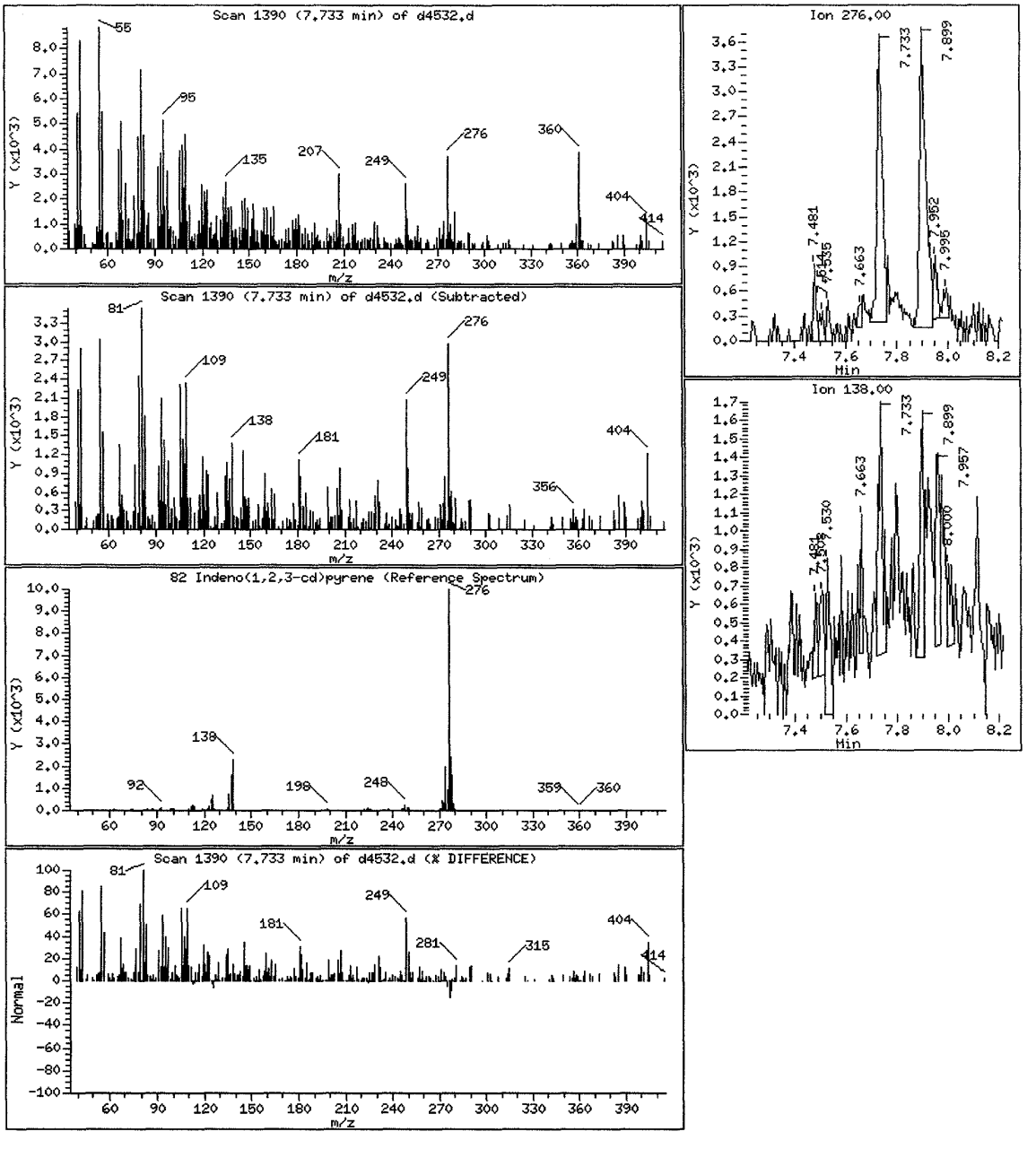
Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 0.25

82 Indeno(1,2,3-cd)pyrene

Concentration: 225 ug/Kg



Data File: /var/chem/MSSV5.i/2061213.s,b/d4532.d

Date : 13-DEC-2006 10:42

Client ID: 20612072816

Instrument: MSSV5.i

Sample Info: 20612072816*4482*

Volume Injected (uL): 1.0

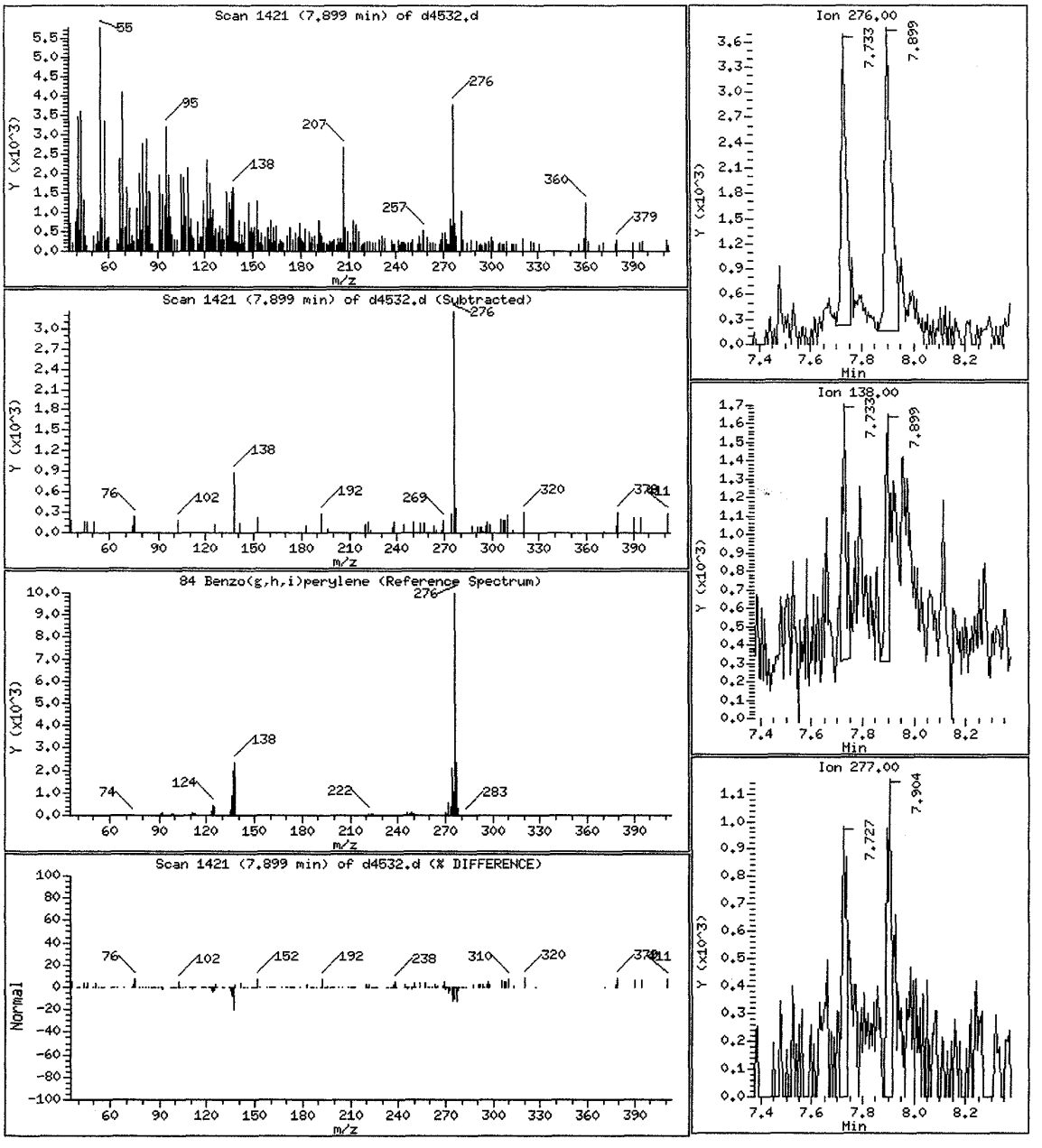
Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 0.25

84 Benzo(g,h,i)perylene

Concentration: 69.7 ug/Kg

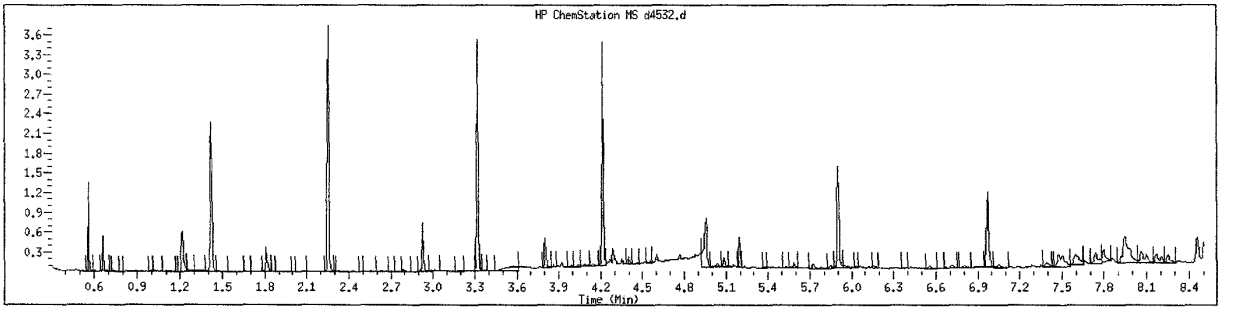


034630

Data file : /var/chem/MSSV5.i/2061213.s.b/d4532.d Page: 1
Report Date: 12/13/2006 10:59

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612072816	SampleType	: SAMPLE
Injection Date	: 13-DEC-2006 10:42	Instrument	: MSSV5.i
Operator	: jar3		
Sample Info	: 20612072816*4482*		
Misc Info	: 20612072816*MSSV~4102~*120728*30.0-1X5*338464		
Method	: /var/chem/MSSV5.i/2061213.s.b/8270CE_05.m		
Dilution	: 5.0		
Matrix	: SOIL		
Integrator	: HP RTE	Compound Sublist:	SA8270



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 35.3 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: 2WSED7-007 (0-0.5)
Contract:
Lab File ID: 2061211/d4477
Lab Sample ID: 20612072817
Date Collected: 12/06/06 Time: 0900
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1225
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.502	U	0.00888	0.502
95-95-4	2,4,5-Trichlorophenol	0.502	U	0.011	0.502
88-06-2	2,4,6-Trichlorophenol	0.502	U	0.00869	0.502
120-83-2	2,4-Dichlorophenol	0.502	U	0.038	0.502
51-28-5	2,4-Dinitrophenol	2.54	U	0.029	2.54
121-14-2	2,4-Dinitrotoluene	0.502	U	0.041	0.502
606-20-2	2,6-Dinitrotoluene	0.502	U	0.00867	0.502
91-58-7	2-Chloronaphthalene	0.502	U	0.037	0.502
95-57-8	2-Chlorophenol	0.502	U	0.038	0.502
91-57-6	2-Methylnaphthalene	0.100	U	0.011	0.100
88-74-4	2-Nitroaniline	2.54	U	0.011	2.54
88-75-5	2-Nitrophenol	0.502	U	0.015	0.502
91-94-1	3,3'-Dichlorobenzidine	1.00	U	0.085	1.00
99-09-2	3-Nitroaniline	2.54	U	0.010	2.54
534-52-1	2-Methyl-4,6-dinitrophenol	2.54	U	0.019	2.54
59-50-7	4-Chloro-3-methylphenol	0.502	U	0.015	0.502
106-47-8	4-Chloroaniline	0.502	U	0.062	0.502
7005-72-3	4-Chlorophenyl-phenylether	0.502	U	0.00707	0.502
83-32-9	Acenaphthene	0.100	U	0.011	0.100
208-96-8	Acenaphthylene	0.100	U	0.011	0.100
98-86-2	Acetophenone	0.502	U	0.012	0.502
62-53-3	Aniline	0.502	U	0.065	0.502
120-12-7	Anthracene	0.100	U	0.00754	0.100
1912-24-9	Atrazine (Aatrex)	1.00	U	0.024	1.00
100-52-7	Benzaldehyde	1.00	U	0.040	1.00
92-87-5	Benzidine	2.01	U	0.478	2.01
56-55-3	Benzo(a)anthracene	0.100	U	0.00888	0.100
50-32-8	Benzo(a)pyrene	0.100	U	0.012	0.100
205-99-2	Benzo(b)fluoranthene	0.502	U	0.00960	0.502

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 35.3 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: 2WSED7-007 (0-0.5)
Contract:
Lab File ID: 2061211/d4477
Lab Sample ID: 20612072817
Date Collected: 12/06/06 Time: 0900
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1225
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.502	U	0.041	0.502
207-08-9	Benzo(k)fluoranthene	0.502	U	0.014	0.502
65-85-0	Benzoic acid	2.54	U	0.234	2.54
100-51-6	Benzyl alcohol	0.502	U	0.011	0.502
92-52-4	Biphenyl	0.502	U	0.00838	0.502
111-91-1	Bis(2-Chloroethoxy)methane	0.502	U	0.00780	0.502
111-44-4	Bis(2-Chloroethyl)ether	0.502	U	0.055	0.502
108-60-1	bis(2-Chloroisopropyl)ether	0.502	U	0.049	0.502
117-81-7	bis(2-ethylhexyl)phthalate	0.100	U	0.024	0.100
101-55-3	4-Bromophenyl-phenylether	0.502	U	0.019	0.502
85-68-7	Butylbenzylphthalate	0.502	U	0.012	0.502
105-60-2	Caprolactam	0.502	U	0.015	0.502
86-74-8	Carbazole	0.502	U	0.010	0.502
218-01-9	Chrysene	0.502	U	0.016	0.502
84-74-2	Di-n-butylphthalate	0.502	U	0.010	0.502
117-84-0	Di-n-octylphthalate	0.502	U	0.011	0.502
53-70-3	Dibenz(a,h)anthracene	0.100	U	0.047	0.100
132-64-9	Dibenzofuran	0.502	U	0.00645	0.502
84-66-2	Diethylphthalate	0.502	U	0.00824	0.502
131-11-3	Dimethyl-phthalate	0.502	U	0.030	0.502
105-67-9	2,4-Dimethylphenol	0.502	U	0.083	0.502
206-44-0	Fluoranthene	0.502	U	0.013	0.502
86-73-7	Fluorene	0.100	U	0.00844	0.100
118-74-1	Hexachlorobenzene	0.502	U	0.015	0.502
77-47-4	Hexachlorocyclopentadiene	0.502	U	0.037	0.502
67-72-1	Hexachloroethane	0.502	U	0.067	0.502
193-39-5	Indeno(1,2,3-cd)pyrene	0.502	U	0.035	0.502
78-59-1	Isophorone	0.502	U	0.00700	0.502
100-01-6	4-Nitroaniline	2.54	U	0.059	2.54

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 35.3 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: 2WSED7-007 (0-0.5)
Contract:
Lab File ID: 2061211/d4477
Lab Sample ID: 20612072817
Date Collected: 12/06/06 Time: 0900
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1225
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.502	U	0.052	0.502
100-02-7	4-Nitrophenol	2.54	U	0.013	2.54
87-86-5	Pentachlorophenol	2.54	U	0.045	2.54
85-01-8	Phenanthrene	0.100	U	0.00785	0.100
108-95-2	Phenol	0.502	U	0.010	0.502
129-00-0	Pyrene	0.502	U	0.023	0.502
110-86-1	Pyridine	0.502	U	0.075	0.502
1319-77-3M	m,p-Cresol	0.502	U	0.015	0.502
621-64-7	N-Nitroso-di-n-propylamine	0.100	U	0.011	0.100
62-75-9	N-Nitrosodimethylamine	0.502	U	0.060	0.502
86-30-6	N-Nitrosodiphenylamine	0.502	U	0.017	0.502
95-48-7	o-Cresol	0.502	U	0.026	0.502

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4477.d
Lab Smp Id: 20612072817 Client Smp ID: 20612072817
Inj Date : 11-DEC-2006 12:25
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072817*4482*
Misc Info : 20612072817*MSSV~4095~*120728*30.5-1*33846
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 13-Dec-2006 07:48 jar3 Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 32
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	0.678	0.678	(0.470)	359889	79.0676	2640
$	4 Phenol-d5	99	1.234	1.256	(0.855)	796312	76.0505	2540
*	10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	226462	40.0000	
$	19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	405459	43.7124	1460
*	28 Naphthalene-d8	136	2.272	2.282	(1.000)	826946	40.0000	
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	531528	44.8811	1500
*	44 Acenaphthene-d10	164	3.341	3.347	(1.000)	367849	40.0000	
$	57 2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	118004	68.2422	2270
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	474662	40.0000	
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	379401	42.5149	1420
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	365969	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
* 81 Perylene-d12	264	7.000	7.016	(1.000)	433558	40.0000	

034636

Data File: /var/chem/MSSV5.i/2061211.s.b/d4477.d

Page 1

Date : 11-DEC-2006 12:25

Client ID: 20612072817

Instrument: MSSV5.i

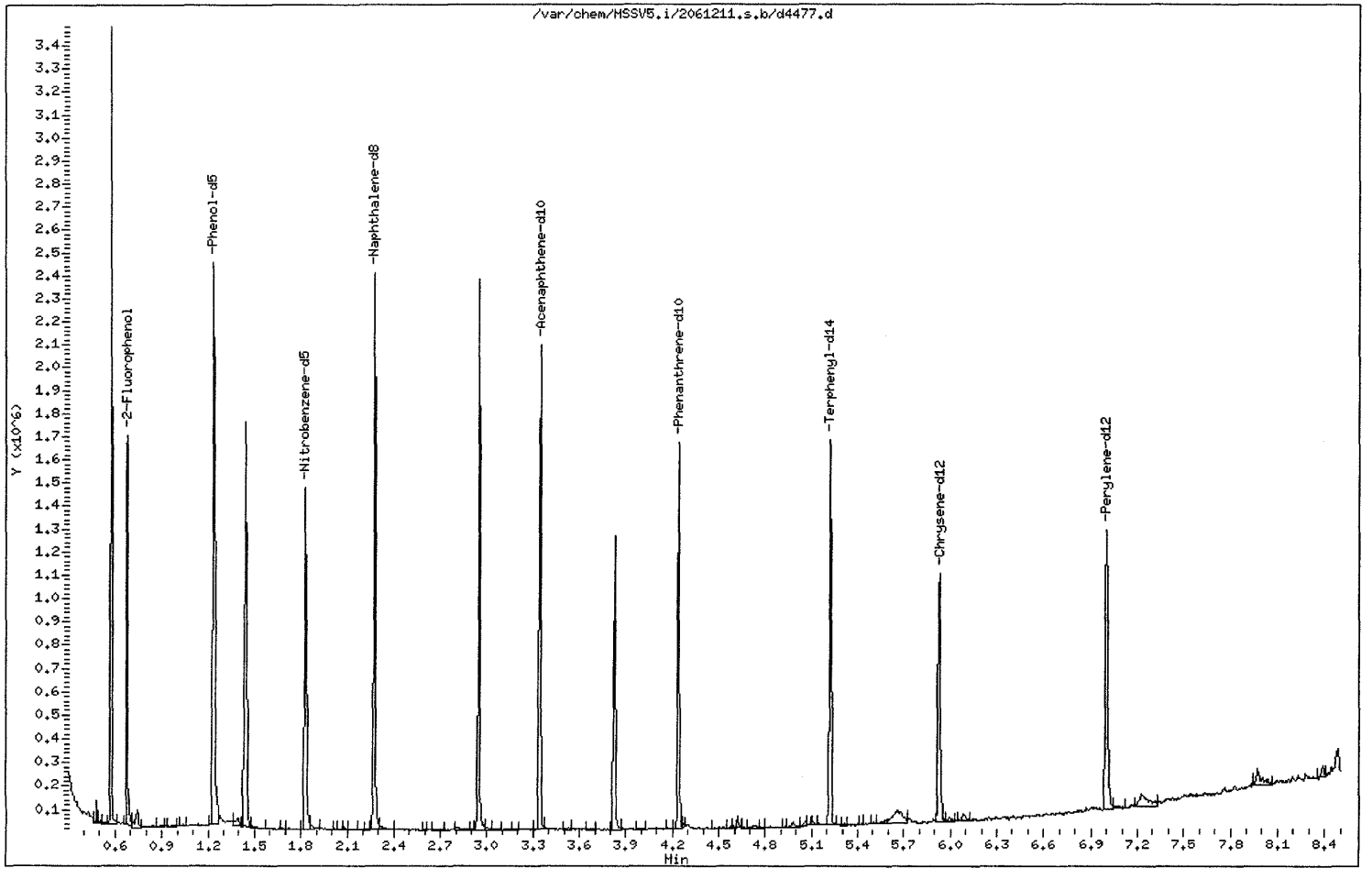
Sample Info: 20612072817*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

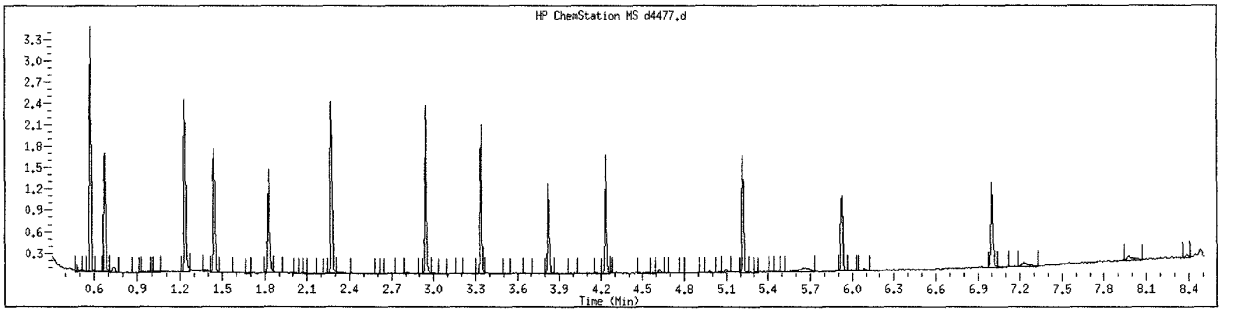
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4477.d Page: 1
Report Date: 12/18/2006 08:39

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072817 SampleType : SAMPLE
Injection Date: 12/11/2006 12:25 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072817*4482*
Misc Info : 20612072817*MSSV~4095~*120728*30.5-1*33846
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.00
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

000353

034638

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 17.1 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: 2WSED13-013 (0-0.5)
Contract:
Lab File ID: 2061211/d4478
Lab Sample ID: 20612072818
Date Collected: 12/06/06 Time: 0905
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1240
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.394	U	0.00698	0.394
95-95-4	2,4,5-Trichlorophenol	0.394	U	0.00894	0.394
88-06-2	2,4,6-Trichlorophenol	0.394	U	0.00682	0.394
120-83-2	2,4-Dichlorophenol	0.394	U	0.030	0.394
51-28-5	2,4-Dinitrophenol	1.99	U	0.023	1.99
121-14-2	2,4-Dinitrotoluene	0.394	U	0.032	0.394
606-20-2	2,6-Dinitrotoluene	0.394	U	0.00681	0.394
91-58-7	2-Chloronaphthalene	0.394	U	0.029	0.394
95-57-8	2-Chlorophenol	0.394	U	0.030	0.394
91-57-6	2-Methylnaphthalene	0.079	U	0.00851	0.079
88-74-4	2-Nitroaniline	1.99	U	0.00902	1.99
88-75-5	2-Nitrophenol	0.394	U	0.011	0.394
91-94-1	3,3'-Dichlorobenzidine	0.788	U	0.067	0.788
99-09-2	3-Nitroaniline	1.99	U	0.00787	1.99
534-52-1	2-Methyl-4,6-dinitrophenol	1.99	U	0.015	1.99
59-50-7	4-Chloro-3-methylphenol	0.394	U	0.012	0.394
106-47-8	4-Chloroaniline	0.394	U	0.049	0.394
7005-72-3	4-Chlorophenyl-phenylether	0.394	U	0.00555	0.394
83-32-9	Acenaphthene	0.079	U	0.00851	0.079
208-96-8	Acenaphthylene	0.079	U	0.00860	0.079
98-86-2	Acetophenone	0.394	U	0.00977	0.394
62-53-3	Aniline	0.394	U	0.051	0.394
120-12-7	Anthracene	0.079	U	0.00593	0.079
1912-24-9	Atrazine (Aatrex)	0.788	U	0.019	0.788
100-52-7	Benzaldehyde	0.788	U	0.031	0.788
92-87-5	Benzidine	1.58	U	0.375	1.58
56-55-3	Benzo(a)anthracene	0.079	U	0.00698	0.079
50-32-8	Benzo(a)pyrene	0.079	U	0.00938	0.079
205-99-2	Benzo(b)fluoranthene	0.394	U	0.00754	0.394

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 17.1 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: 2WSED13-013 (0-0.5)
Contract:
Lab File ID: 2061211/d4478
Lab Sample ID: 20612072818
Date Collected: 12/06/06 Time: 0905
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1240
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.394	U	0.032	0.394
207-08-9	Benzo(k)fluoranthene	0.394	U	0.011	0.394
65-85-0	Benzoic acid	1.99	U	0.184	1.99
100-51-6	Benzyl alcohol	0.394	U	0.00865	0.394
92-52-4	Biphenyl	0.394	U	0.00658	0.394
111-91-1	Bis(2-Chloroethoxy)methane	0.394	U	0.00613	0.394
111-44-4	Bis(2-Chloroethyl)ether	0.394	U	0.043	0.394
108-60-1	bis(2-Chloroisopropyl)ether	0.394	U	0.039	0.394
117-81-7	bis(2-ethylhexyl)phthalate	0.079	U	0.019	0.079
101-55-3	4-Bromophenyl-phenylether	0.394	U	0.015	0.394
85-68-7	Butylbenzylphthalate	0.394	U	0.00908	0.394
105-60-2	Caprolactam	0.394	U	0.012	0.394
86-74-8	Carbazole	0.394	U	0.00812	0.394
218-01-9	Chrysene	0.394	U	0.013	0.394
84-74-2	Di-n-butylphthalate	0.394	U	0.00793	0.394
117-84-0	Di-n-octylphthalate	0.394	U	0.00827	0.394
53-70-3	Dibenz(a,h)anthracene	0.079	U	0.037	0.079
132-64-9	Dibenzofuran	0.394	U	0.00506	0.394
84-66-2	Diethylphthalate	0.394	U	0.00647	0.394
131-11-3	Dimethyl-phthalate	0.394	U	0.023	0.394
105-67-9	2,4-Dimethylphenol	0.394	U	0.065	0.394
206-44-0	Fluoranthene	0.394	U	0.010	0.394
86-73-7	Fluorene	0.079	U	0.00663	0.079
118-74-1	Hexachlorobenzene	0.394	U	0.011	0.394
77-47-4	Hexachlorocyclopentadiene	0.394	U	0.029	0.394
67-72-1	Hexachloroethane	0.394	U	0.053	0.394
193-39-5	Indeno(1,2,3-cd)pyrene	0.394	U	0.027	0.394
78-59-1	Isophorone	0.394	U	0.00549	0.394
100-01-6	4-Nitroaniline	1.99	U	0.046	1.99

034640

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 17.1 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: 2WSED13-013 (0-0.5)
Contract:
Lab File ID: 2061211/d4478
Lab Sample ID: 20612072818
Date Collected: 12/06/06 Time: 0905
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1240
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.394	U	0.041	0.394
100-02-7	4-Nitrophenol	1.99	U	0.00987	1.99
87-86-5	Pentachlorophenol	1.99	U	0.035	1.99
85-01-8	Phenanthrene	0.079	U	0.00616	0.079
108-95-2	Phenol	0.394	U	0.00817	0.394
129-00-0	Pyrene	0.394	U	0.018	0.394
110-86-1	Pyridine	0.394	U	0.059	0.394
1319-77-3M	m,p-Cresol	0.394	U	0.012	0.394
621-64-7	N-Nitroso-di-n-propylamine	0.079	U	0.00894	0.079
62-75-9	N-Nitrosodimethylamine	0.394	U	0.047	0.394
86-30-6	N-Nitrosodiphenylamine	0.394	U	0.013	0.394
95-48-7	o-Cresol	0.394	U	0.020	0.394

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4478.d
Lab Smp Id: 20612072818 Client Smp ID: 20612072818
Inj Date : 11-DEC-2006 12:40
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072818*4482*
Misc Info : 20612072818*MSSV~4095~*120728*30.3-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 13-Dec-2006 07:48 jar3 Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 33
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	0.678	0.678	(0.470)	354387	72.6637	2400
$ 4 Phenol-d5	99	1.234	1.256	(0.855)	783813	69.8620	2310
* 10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	242653	40.0000	
$ 19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	406427	41.1472	1360
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	880597	40.0000	
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	527238	40.9090	1350
* 44 Acenaphthene-d10	164	3.341	3.347	(1.000)	400309	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	121336	64.4793	2130
* 61 Phenanthrene-d10	188	4.235	4.245	(1.000)	528903	40.0000	
$ 70 Terphenyl-d14	244	5.219	5.230	(0.881)	385709	37.4234	1240
* 74 Chrysene-d12	240	5.925	5.946	(1.000)	422672	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.012)	3293	0.36216	12.0
* 81 Perylene-d12	264	7.000	7.016	(1.000)	501836	40.0000	

034643

Data File: /var/chem/MSSV5.i/2061211.s.b/d4478.d

Page 1

Date : 11-DEC-2006 12:40

Client ID: 20612072818

Instrument: MSSV5.i

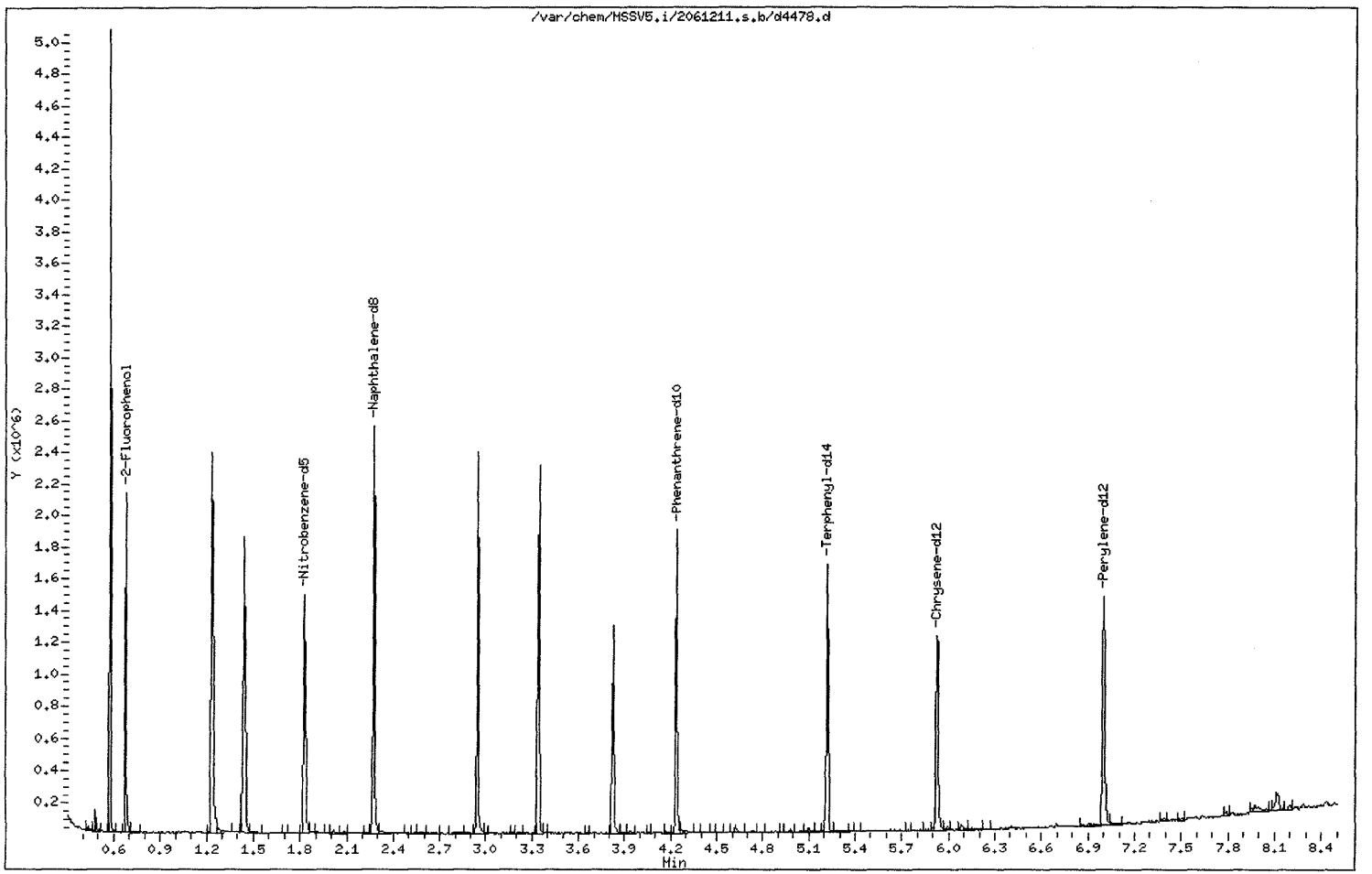
Sample Info: 20612072818*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2061211.s.b/d4478.d

Date : 11-DEC-2006 12:40

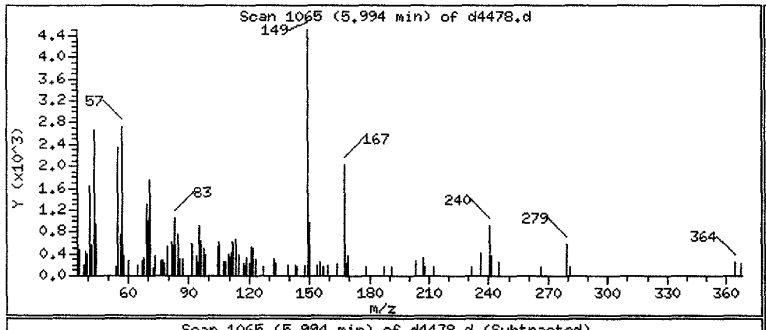
Client ID: 20612072818 Instrument: MSSV5.i

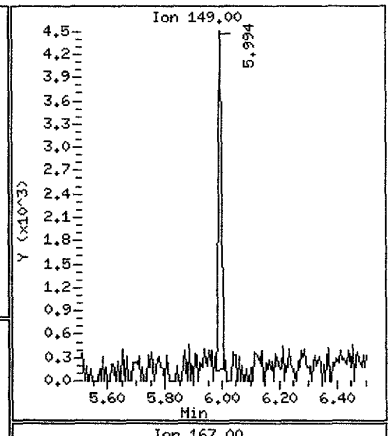
Sample Info: 20612072818*4482*

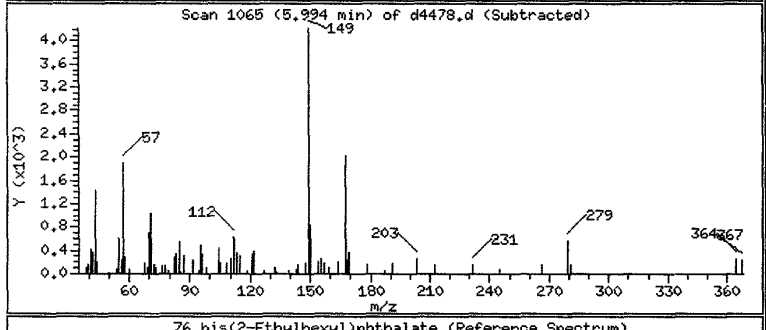
Volume Injected (uL): 1.0 Operator: rrr

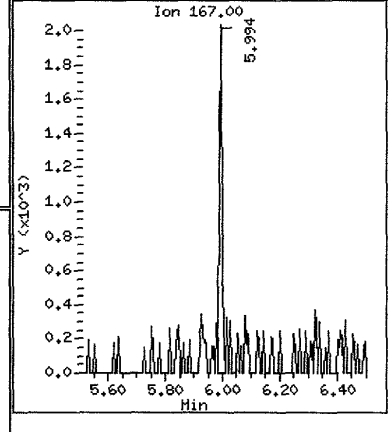
Column phase: RTX-5MS-30M Column diameter: 0.25

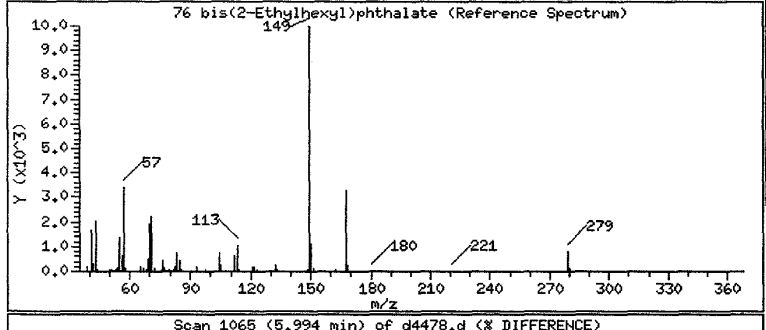
76 bis(2-Ethylhexyl)phthalate Concentration: 12.0 ug/Kg

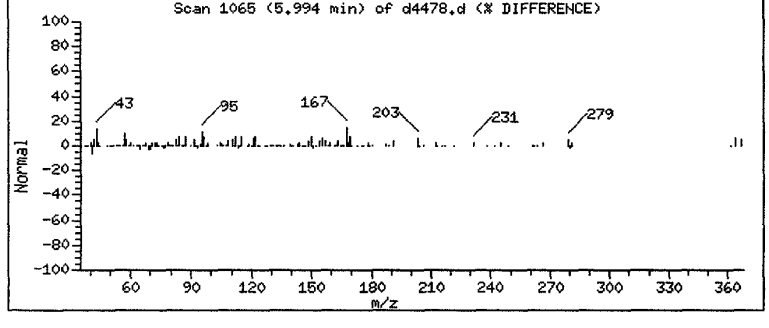












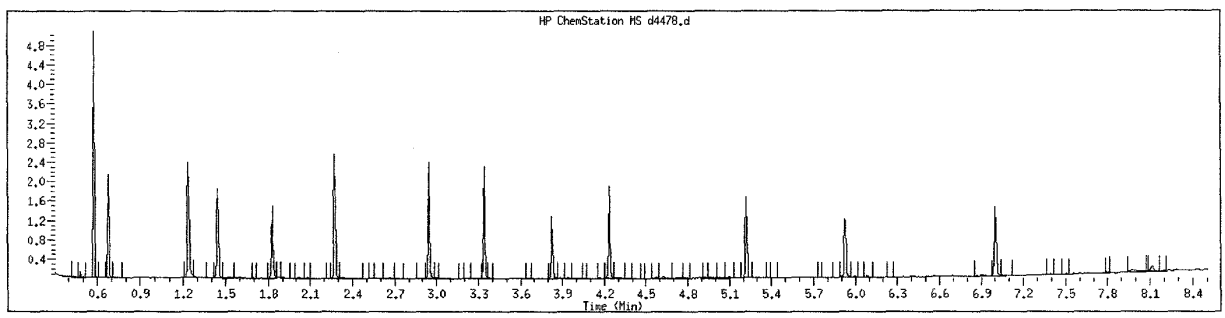
000560

034645

Data file : /var/chem/MSSV5.i/2061211.s.b/d4478.d Page: 1
Report Date: 12/15/2006 06:04

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072818 SampleType : SAMPLE
Injection Date: 12/11/2006 12:40 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072818*4482*
Misc Info : 20612072818*MSSV~4095~*120728*30.3-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

000561

034646

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 19.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED14-014 (0-0.5)
Contract:
Lab File ID: 2061211/d4479
Lab Sample ID: 20612072819
Date Collected: 12/06/06 Time: 0910
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1254
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.406	U	0.00718	0.406
95-95-4	2,4,5-Trichlorophenol	0.406	U	0.00920	0.406
88-06-2	2,4,6-Trichlorophenol	0.406	U	0.00702	0.406
120-83-2	2,4-Dichlorophenol	0.406	U	0.031	0.406
51-28-5	2,4-Dinitrophenol	2.05	U	0.023	2.05
121-14-2	2,4-Dinitrotoluene	0.406	U	0.033	0.406
606-20-2	2,6-Dinitrotoluene	0.406	U	0.00701	0.406
91-58-7	2-Chloronaphthalene	0.406	U	0.030	0.406
95-57-8	2-Chlorophenol	0.406	U	0.031	0.406
91-57-6	2-Methylnaphthalene	0.081	U	0.00876	0.081
88-74-4	2-Nitroaniline	2.05	U	0.00929	2.05
88-75-5	2-Nitrophenol	0.406	U	0.012	0.406
91-94-1	3,3'-Dichlorobenzidine	0.812	U	0.069	0.812
99-09-2	3-Nitroaniline	2.05	U	0.00811	2.05
534-52-1	2-Methyl-4,6-dinitrophenol	2.05	U	0.015	2.05
59-50-7	4-Chloro-3-methylphenol	0.406	U	0.012	0.406
106-47-8	4-Chloroaniline	0.406	U	0.050	0.406
7005-72-3	4-Chlorophenyl-phenylether	0.406	U	0.00572	0.406
83-32-9	Acenaphthene	0.081	U	0.00876	0.081
208-96-8	Acenaphthylene	0.081	U	0.00886	0.081
98-86-2	Acetophenone	0.406	U	0.010	0.406
62-53-3	Aniline	0.406	U	0.053	0.406
120-12-7	Anthracene	0.081	U	0.00610	0.081
1912-24-9	Atrazine (Aatrex)	0.812	U	0.020	0.812
100-52-7	Benzaldehyde	0.812	U	0.032	0.812
92-87-5	Benzidine	1.62	U	0.386	1.62
56-55-3	Benzo(a)anthracene	0.081	U	0.00718	0.081
50-32-8	Benzo(a)pyrene	0.081	U	0.00965	0.081
205-99-2	Benzo(b)fluoranthene	0.406	U	0.00776	0.406

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 19.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED14-014 (0-0.5)
Contract:
Lab File ID: 2061211/d4479
Lab Sample ID: 20612072819
Date Collected: 12/06/06 Time: 0910
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1254
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.406	U	0.033	0.406
207-08-9	Benzo(k)fluoranthene	0.406	U	0.011	0.406
65-85-0	Benzoic acid	2.05	U	0.189	2.05
100-51-6	Benzyl alcohol	0.406	U	0.00890	0.406
92-52-4	Biphenyl	0.406	U	0.00678	0.406
111-91-1	Bis(2-Chloroethoxy)methane	0.406	U	0.00631	0.406
111-44-4	Bis(2-Chloroethyl)ether	0.406	U	0.044	0.406
108-60-1	bis(2-Chloroisopropyl)ether	0.406	U	0.040	0.406
117-81-7	bis(2-ethylhexyl)phthalate	0.081	U	0.019	0.081
101-55-3	4-Bromophenyl-phenylether	0.406	U	0.015	0.406
85-68-7	Butylbenzylphthalate	0.406	U	0.00935	0.406
105-60-2	Caprolactam	0.406	U	0.012	0.406
86-74-8	Carbazole	0.406	U	0.00836	0.406
218-01-9	Chrysene	0.406	U	0.013	0.406
84-74-2	Di-n-butylphthalate	0.406	U	0.00817	0.406
117-84-0	Di-n-octylphthalate	0.406	U	0.00851	0.406
53-70-3	Dibenz(a,h)anthracene	0.081	U	0.038	0.081
132-64-9	Dibenzofuran	0.406	U	0.00521	0.406
84-66-2	Diethylphthalate	0.406	U	0.00667	0.406
131-11-3	Dimethyl-phthalate	0.406	U	0.024	0.406
105-67-9	2,4-Dimethylphenol	0.406	U	0.067	0.406
206-44-0	Fluoranthene	0.406	U	0.011	0.406
86-73-7	Fluorene	0.081	U	0.00683	0.081
118-74-1	Hexachlorobenzene	0.406	U	0.012	0.406
77-47-4	Hexachlorocyclopentadiene	0.406	U	0.030	0.406
67-72-1	Hexachloroethane	0.406	U	0.054	0.406
193-39-5	Indeno(1,2,3-cd)pyrene	0.406	U	0.028	0.406
78-59-1	Isophorone	0.406	U	0.00566	0.406
100-01-6	4-Nitroaniline	2.05	U	0.047	2.05

000563

034648

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 19.0 decanted: (Y/N)
GC Column: RTX-5MS-30 ID: .25 (mm)
Concentrated Extract Volume: 1000 (µL)
Injection Volume: 1.0 (µL)
GPC Cleanup: (Y/N) N pH:

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED14-014 (0-0.5)
Contract:
Lab File ID: 2061211/d4479
Lab Sample ID: 20612072819
Date Collected: 12/06/06 Time: 0910
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1254
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.406	U	0.042	0.406
100-02-7	4-Nitrophenol	2.05	U	0.010	2.05
87-86-5	Pentachlorophenol	2.05	U	0.036	2.05
85-01-8	Phenanthrene	0.081	U	0.00635	0.081
108-95-2	Phenol	0.406	U	0.00841	0.406
129-00-0	Pyrene	0.406	U	0.019	0.406
110-86-1	Pyridine	0.406	U	0.061	0.406
1319-77-3M	m,p-Cresol	0.406	U	0.012	0.406
621-64-7	N-Nitroso-di-n-propylamine	0.081	U	0.00920	0.081
62-75-9	N-Nitrosodimethylamine	0.406	U	0.049	0.406
86-30-6	N-Nitrosodiphenylamine	0.406	U	0.013	0.406
95-48-7	o-Cresol	0.406	U	0.021	0.406

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4479.d
Lab Smp Id: 20612072819 Client Smp ID: 20612072819
Inj Date : 11-DEC-2006 12:54
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072819*4482*
Misc Info : 20612072819*MSSV~4095~*120728*30.1-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 13-Dec-2006 07:48 jar3 Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.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	30.10000	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)	CONCENTRATIONS FINAL (ug/Kg)
$ 3 2-Fluorophenol	112	0.678	0.678	(0.470)	380961	70.2932	2340
$ 4 Phenol-d5	99	1.234	1.256	(0.855)	855780	68.6410	2280
* 10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	269645	40.0000	
$ 19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	433569	37.7575	1250
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	1023741	40.0000	
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	583166	37.6061	1250
* 44 Acenaphthene-d10	164	3.341	3.347	(1.000)	481661	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	125372	55.3713	1840
* 61 Phenanthrene-d10	188	4.235	4.245	(1.000)	604420	40.0000	
$ 70 Terphenyl-d14	244	5.219	5.230	(0.881)	384077	36.0579	1200
* 74 Chrysene-d12	240	5.925	5.946	(1.000)	436822	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.012)	2807	0.31036	10.3
* 81 Perylene-d12	264	7.000	7.016	(1.000)	495349	40.0000	

000567

Data File: /var/chem/MSSV5.i/2061211.s.b/d4479.d

Page 1

Date : 11-DEC-2006 12:54

Client ID: 20612072819

Instrument: MSSV5.i

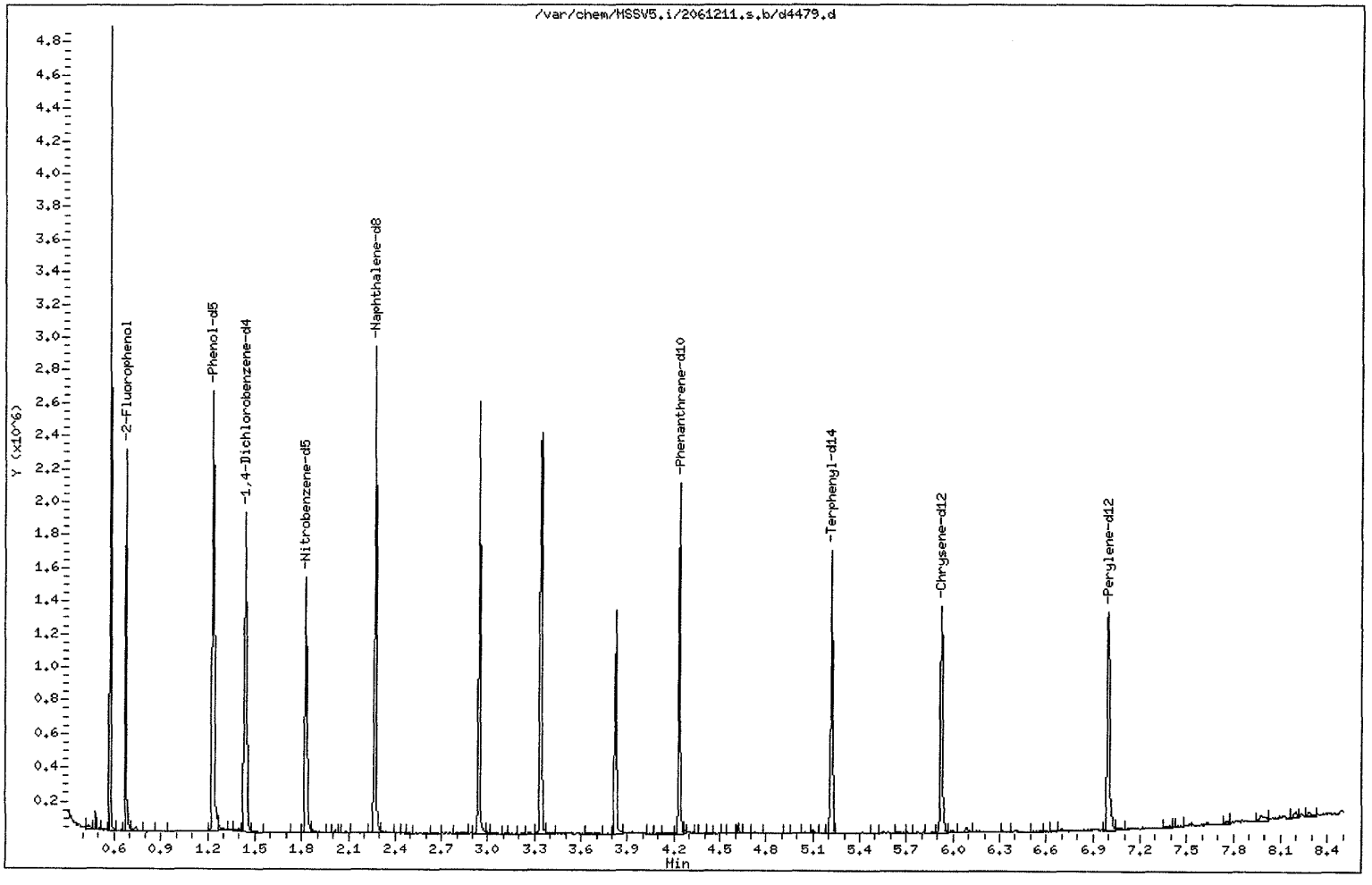
Sample Info: 20612072819*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



034652

Data File: /var/chem/MSSV5.i/2061211.s.b/d4479.d

Date : 11-DEC-2006 12:54

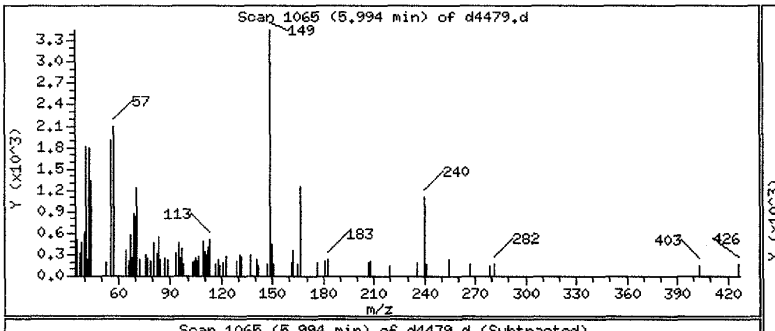
Client ID: 20612072819 Instrument: MSSV5.i

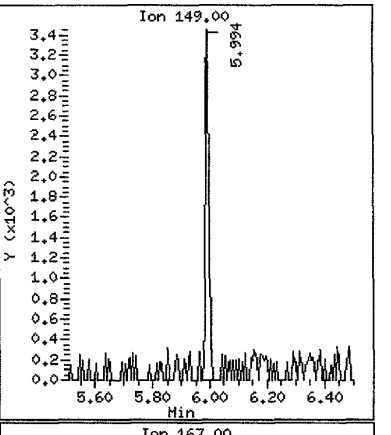
Sample Info: 20612072819*4482*

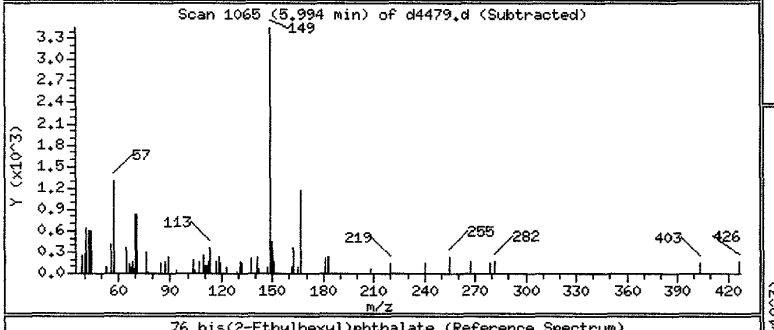
Volume Injected (uL): 1.0 Operator: rrr

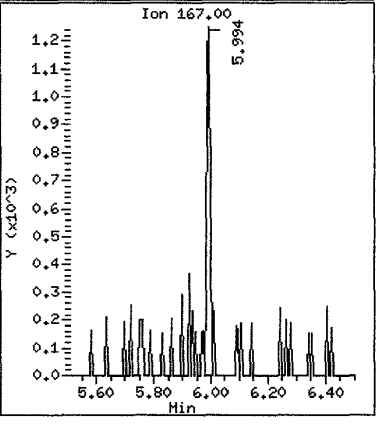
Column phase: RTX-5MS-30M Column diameter: 0.25

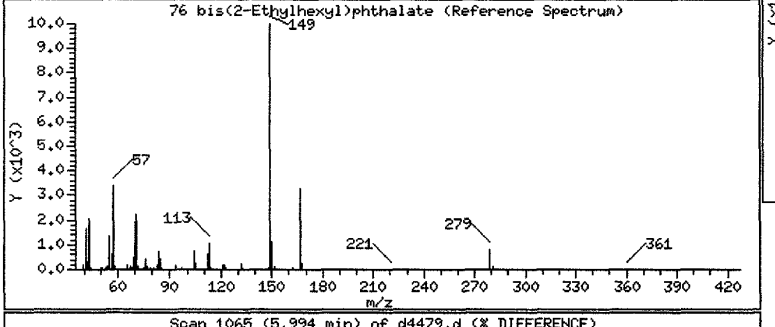
76 bis(2-Ethylhexyl)phthalate Concentration: 10.3 ug/Kg

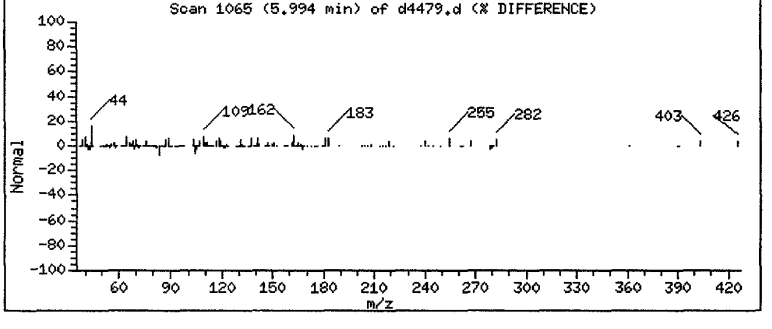








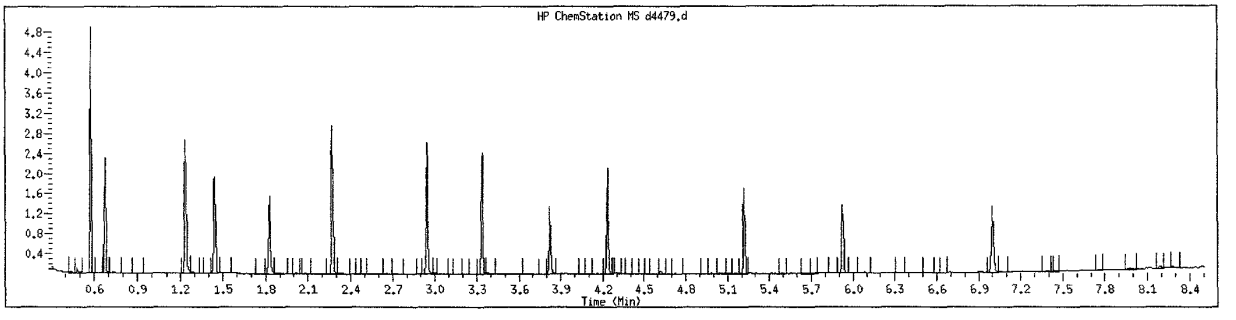




Data file : /var/chem/MSSV5.i/2061211.s.b/d4479.d Page: 1
Report Date: 12/15/2006 06:05

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072819 SampleType : SAMPLE
Injection Date: 12/11/2006 12:54 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072819*4482*
Misc Info : 20612072819*MSSV~4095~*120728*30.1-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 47.1 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: 2WSED17-017 (0-0.5)
Contract:
Lab File ID: 2061211/d4480
Lab Sample ID: 20612072820
Date Collected: 12/06/06 Time: 1130
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1309
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	0.613	U	0.011	0.613
95-95-4	2,4,5-Trichlorophenol	0.613	U	0.014	0.613
88-06-2	2,4,6-Trichlorophenol	0.613	U	0.011	0.613
120-83-2	2,4-Dichlorophenol	0.613	U	0.046	0.613
51-28-5	2,4-Dinitrophenol	3.10	U	0.035	3.10
121-14-2	2,4-Dinitrotoluene	0.613	U	0.050	0.613
606-20-2	2,6-Dinitrotoluene	0.613	U	0.011	0.613
91-58-7	2-Chloronaphthalene	0.613	U	0.045	0.613
95-57-8	2-Chlorophenol	0.613	U	0.046	0.613
91-57-6	2-Methylnaphthalene	0.053	J	0.013	0.123
88-74-4	2-Nitroaniline	3.10	U	0.014	3.10
88-75-5	2-Nitrophenol	0.613	U	0.018	0.613
91-94-1	3,3'-Dichlorobenzidine	1.23	U	0.104	1.23
99-09-2	3-Nitroaniline	3.10	U	0.012	3.10
534-52-1	2-Methyl-4,6-dinitrophenol	3.10	U	0.023	3.10
59-50-7	4-Chloro-3-methylphenol	0.613	U	0.018	0.613
106-47-8	4-Chloroaniline	0.613	U	0.076	0.613
7005-72-3	4-Chlorophenyl-phenylether	0.613	U	0.00864	0.613
83-32-9	Acenaphthene	0.133		0.013	0.123
208-96-8	Acenaphthylene	0.123	U	0.013	0.123
98-86-2	Acetophenone	0.613	U	0.015	0.613
62-53-3	Aniline	0.613	U	0.079	0.613
120-12-7	Anthracene	0.257		0.00922	0.123
1912-24-9	Atrazine (Aatrex)	1.23	U	0.030	1.23
100-52-7	Benzaldehyde	1.23	U	0.049	1.23
92-87-5	Benzidine	2.45	U	0.584	2.45
56-55-3	Benzo(a)anthracene	0.724		0.011	0.123
50-32-8	Benzo(a)pyrene	0.618		0.015	0.123
205-99-2	Benzo(b)fluoranthene	0.728		0.012	0.613

000570

034655

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 47.1 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: 2WSED17-017 (0-0.5)
Contract:
Lab File ID: 2061211/d4480
Lab Sample ID: 20612072820
Date Collected: 12/06/06 Time: 1130
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1309
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	0.527	J	0.050	0.613
207-08-9	Benzo(k)fluoranthene	0.357	J	0.017	0.613
65-85-0	Benzoic acid	3.10	U	0.286	3.10
100-51-6	Benzyl alcohol	0.613	U	0.013	0.613
92-52-4	Biphenyl	0.613	U	0.010	0.613
111-91-1	Bis(2-Chloroethoxy)methane	0.613	U	0.00953	0.613
111-44-4	Bis(2-Chloroethyl)ether	0.613	U	0.067	0.613
108-60-1	bis(2-Chloroisopropyl)ether	0.613	U	0.060	0.613
117-81-7	bis(2-ethylhexyl)phthalate	0.067	J	0.029	0.123
101-55-3	4-Bromophenyl-phenylether	0.613	U	0.023	0.613
85-68-7	Butylbenzylphthalate	0.613	U	0.014	0.613
105-60-2	Caprolactam	0.613	U	0.018	0.613
86-74-8	Carbazole	0.121	J	0.013	0.613
218-01-9	Chrysene	0.743		0.020	0.613
84-74-2	Di-n-butylphthalate	0.613	U	0.012	0.613
117-84-0	Di-n-octylphthalate	0.613	U	0.013	0.613
53-70-3	Dibenz(a,h)anthracene	0.312		0.057	0.123
132-64-9	Dibenzofuran	0.080	J	0.00788	0.613
84-66-2	Diethylphthalate	0.613	U	0.010	0.613
131-11-3	Dimethyl-phthalate	0.613	U	0.036	0.613
105-67-9	2,4-Dimethylphenol	0.613	U	0.101	0.613
206-44-0	Fluoranthene	1.43		0.016	0.613
86-73-7	Fluorene	0.139		0.010	0.123
118-74-1	Hexachlorobenzene	0.613	U	0.018	0.613
77-47-4	Hexachlorocyclopentadiene	0.613	U	0.045	0.613
67-72-1	Hexachloroethane	0.613	U	0.082	0.613
193-39-5	Indeno(1,2,3-cd)pyrene	0.752		0.042	0.613
78-59-1	Isophorone	0.613	U	0.00855	0.613
100-01-6	4-Nitroaniline	3.10	U	0.072	3.10

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 47.1 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: 2WSED17-017 (0-0.5)
Contract:
Lab File ID: 2061211/d4480
Lab Sample ID: 20612072820
Date Collected: 12/06/06 Time: 1130
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 1309
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	0.613	U	0.063	0.613
100-02-7	4-Nitrophenol	3.10	U	0.015	3.10
87-86-5	Pentachlorophenol	3.10	U	0.054	3.10
85-01-8	Phenanthrene	1.18		0.00959	0.123
108-95-2	Phenol	0.613	U	0.013	0.613
129-00-0	Pyrene	1.34		0.029	0.613
110-86-1	Pyridine	0.613	U	0.091	0.613
1319-77-3M	m,p-Cresol	0.613	U	0.018	0.613
621-64-7	N-Nitroso-di-n-propylamine	0.123	U	0.014	0.123
62-75-9	N-Nitrosodimethylamine	0.613	U	0.074	0.613
86-30-6	N-Nitrosodiphenylamine	0.613	U	0.020	0.613
95-48-7	o-Cresol	0.613	U	0.031	0.613

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4480.d
Lab Smp Id: 20612072820 Client Smp ID: 20612072820
Inj Date : 11-DEC-2006 13:09
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072820*4482*
Misc Info : 20612072820*MSSV~4095~*120728*30.5-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 13-Dec-2006 07:48 jar3 Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.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	30.50000	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	0.678	0.678	(0.470)	429897	73.3778	2410
$ 4 Phenol-d5	99	1.234	1.256	(0.855)	921091	68.3426	2240
* 10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	291491	40.0000	
$ 19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	471962	40.3461	1320
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	1042894	40.0000	
29 Naphthalene	128	2.282	2.293	(1.005)	26155	0.84054	27.6
33 2-Methylnaphthalene	142	2.716	2.721	(1.195)	18443	0.86295	28.3
145 1-Methylnapthalene	142	2.774	2.780	(1.221)	16452	0.92221	30.2
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	611105	41.5550	1360
* 44 Acenaphthene-d10	164	3.341	3.347	(1.000)	456773	40.0000	
45 Acenaphthene +	153	3.357	3.368	(1.005)	32265	2.14849	70.4

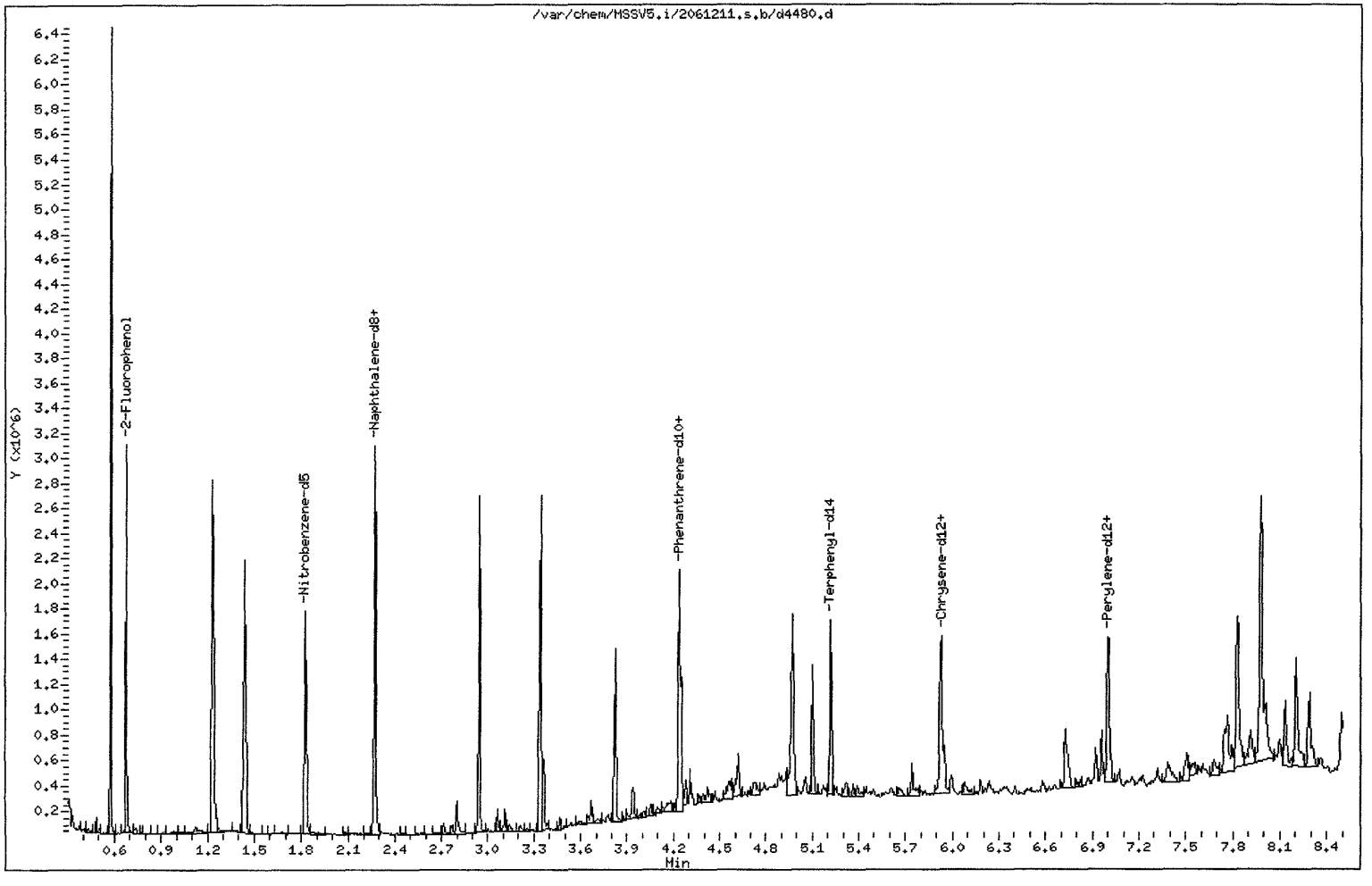
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
	47 Dibenzofuran	168	3.470	3.475	(1.038)	25283	1.29046	42.3
	51 Fluorene	166	3.673	3.678	(1.099)	36235	2.24184	73.5
$	57 2,4,6-Tribromophenol	332	3.823	3.834	(1.144)	124616	58.0362	1900
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	550609	40.0000	
	62 Phenanthrene	178	4.251	4.261	(1.004)	322325	19.0118	623
	63 Anthracene	178	4.283	4.288	(1.011)	71199	4.16179	136
	64 Carbazole	167	4.395	4.406	(1.038)	26840	1.95266	64.0
	67 Fluoranthene +	202	4.967	4.978	(1.173)	362264	23.0187	755
	69 Pyrene	202	5.106	5.112	(0.861)	299429	21.6456	710
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	323350	38.2146	1250
	72 Benzo(a)anthracene	228	5.925	5.936	(0.999)	134353	11.6668	383
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	347001	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.011)	9293	1.08343	35.5
	75 Chrysene	228	5.946	5.962	(1.003)	132976	11.9736	393
	78 Benzo(b)fluoranthene	252	6.727	6.743	(0.960)	188197	11.7454	385(M2)
	79 Benzo(k)fluoranthene	252	6.738	6.765	(0.962)	112549	5.77880	189(M2)
	80 Benzo(a)pyrene +	252	6.962	6.979	(0.994)	155433	9.96697	327
*	81 Perylene-d12	264	7.005	7.016	(1.000)	458169	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.749	7.759	(1.307)	142749	12.1418	398
	83 Dibenzo(a,h)anthracene	278	7.759	7.770	(1.108)	37877	5.03038	165
	84 Benzo(g,h,i)perylene	276	7.920	7.925	(1.131)	140488	8.52342	279

QC Flag Legend

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

Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d
Date : 11-DEC-2006 13:09
Client ID: 20612072820
Sample Info: 20612072820*4482*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



034660

Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820x4482x

Volume Injected (uL): 1.0

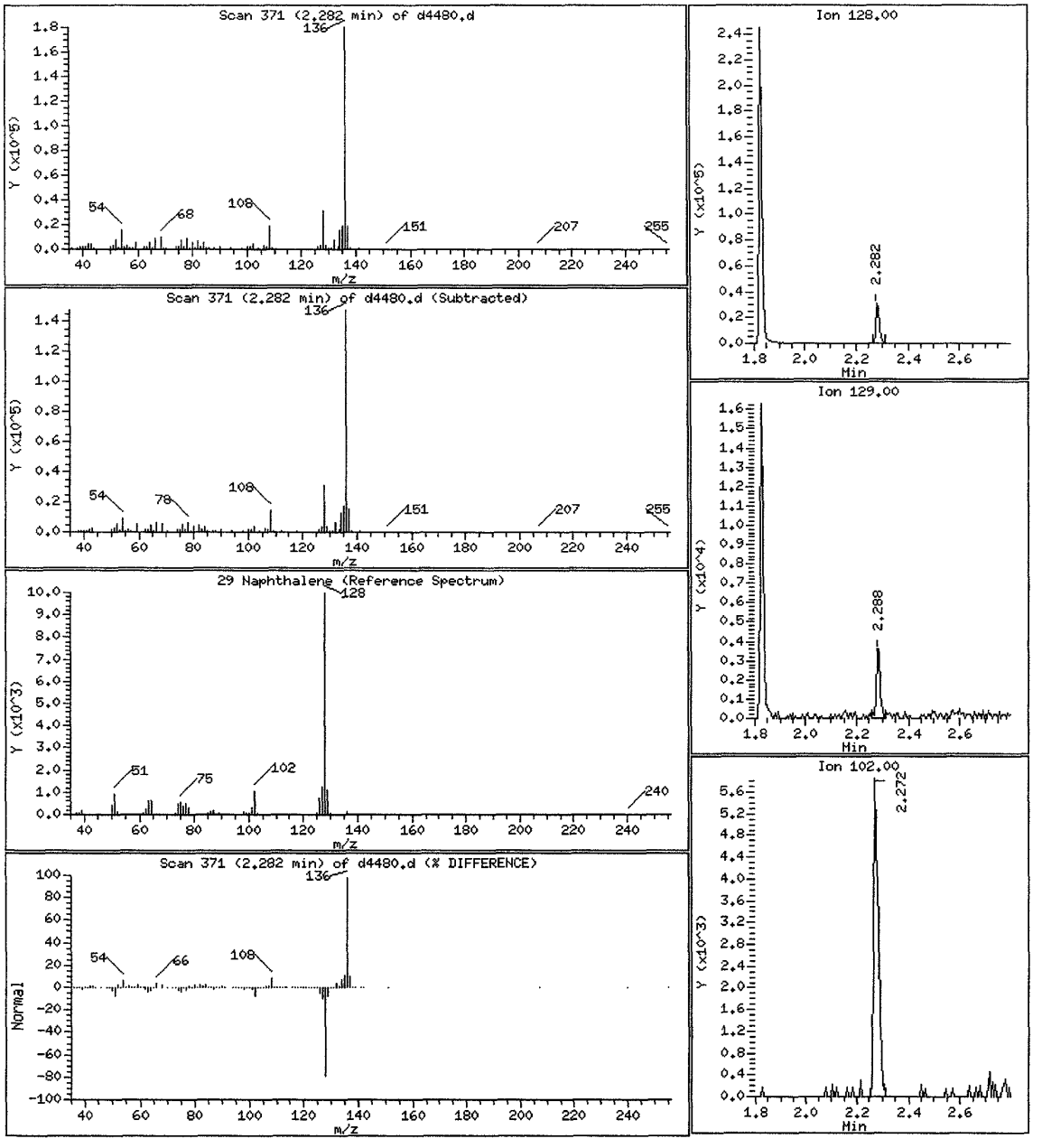
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

29 Naphthalene

Concentration: 27.6 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820*4482*

Volume Injected (uL): 1.0

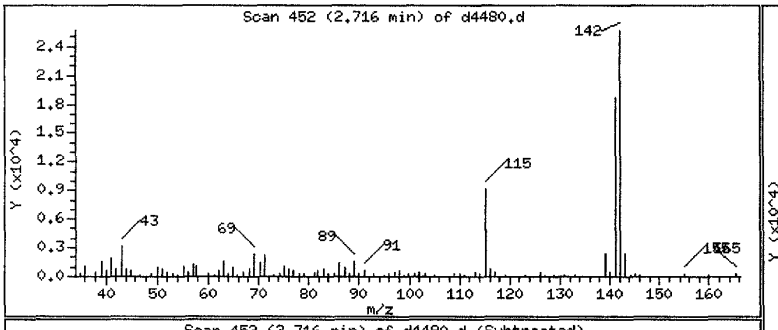
Operator: rrr

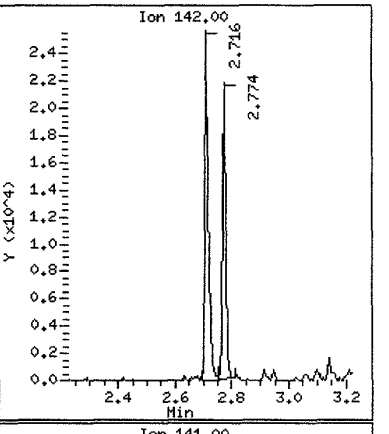
Column phase: RTX-5MS-30M

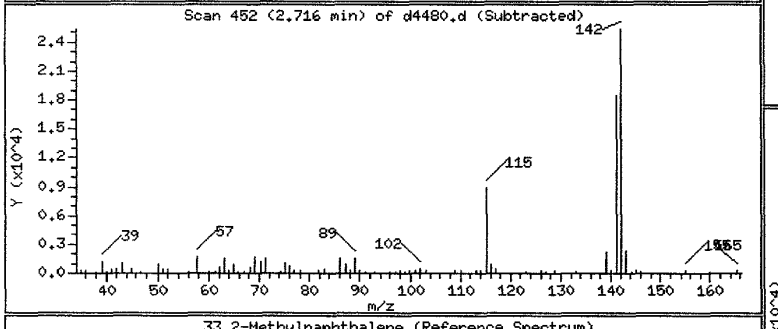
Column diameter: 0.25

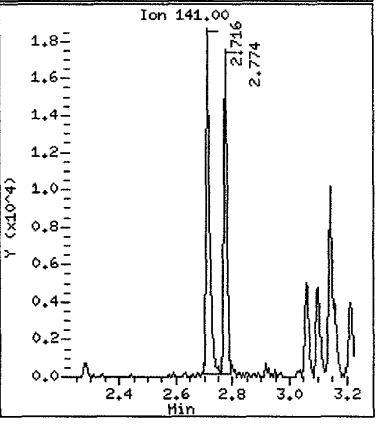
33 2-Methylnaphthalene

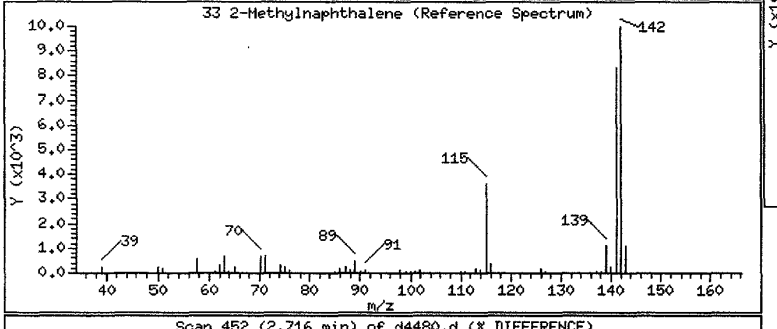
Concentration: 28.3 ug/Kg

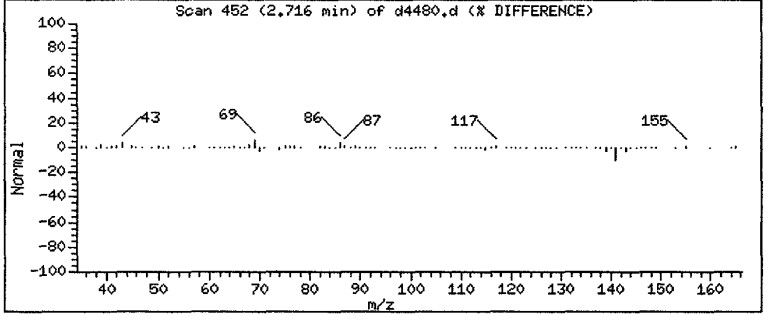












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

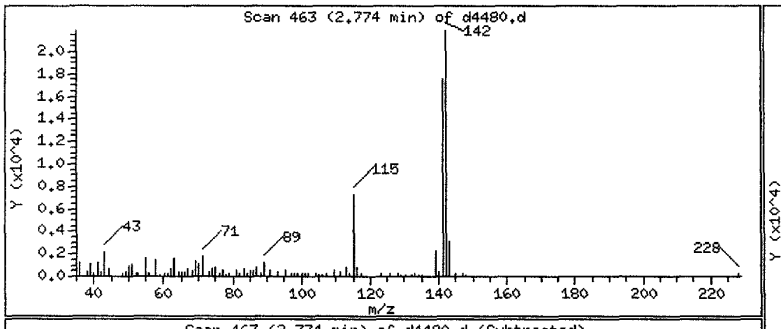
Client ID: 20612072820 Instrument: MSSV5.i

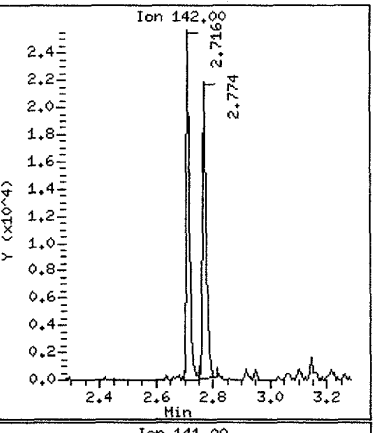
Sample Info: 20612072820*4482*

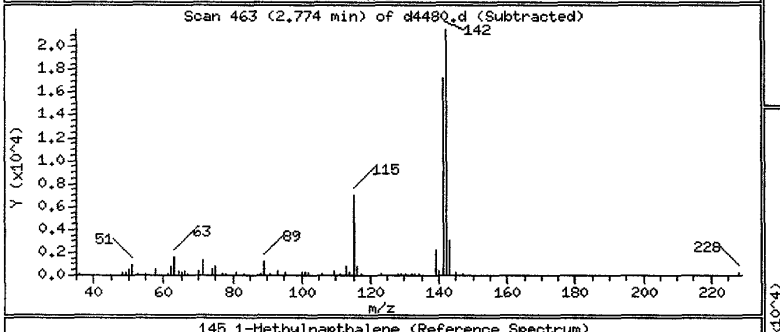
Volume Injected (uL): 1.0 Operator: rrr

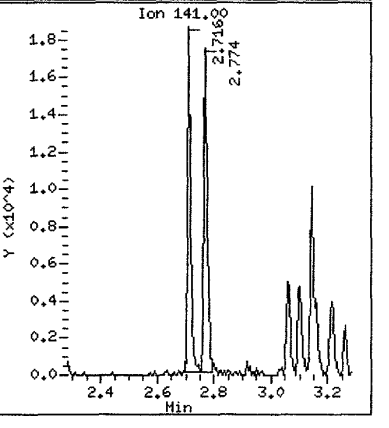
Column phase: RTX-5MS-30M Column diameter: 0.25

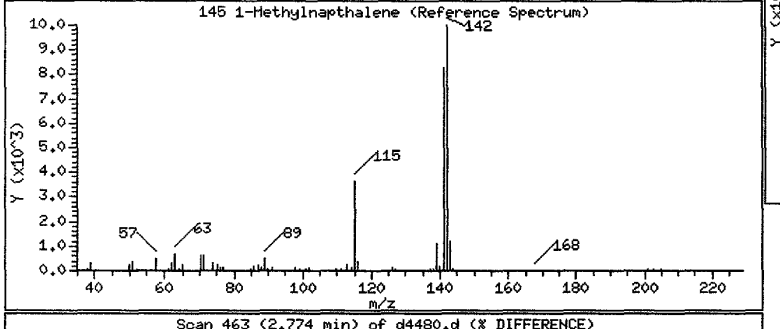
145 1-Methylnapthalene Concentration: 30.2 ug/Kg

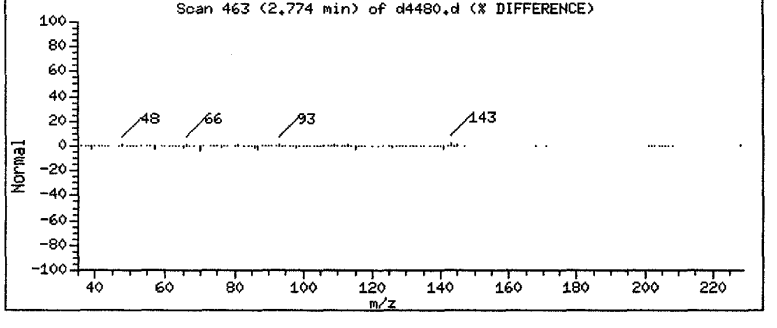












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

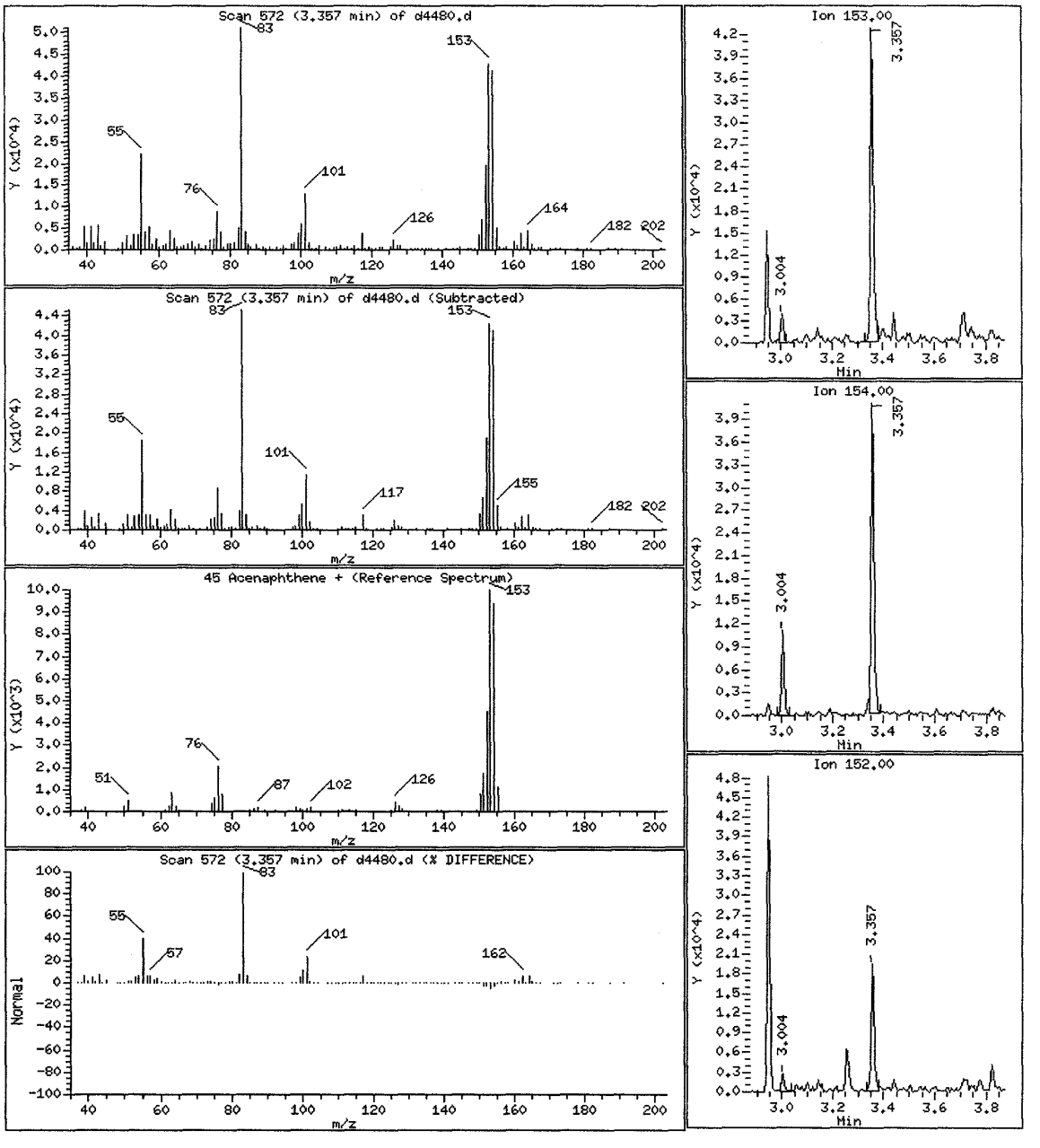
Client ID: 20612072820 Instrument: MSSV5.i

Sample Info: 20612072820*4482*

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

45 Acenaphthene + Concentration: 70.4 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

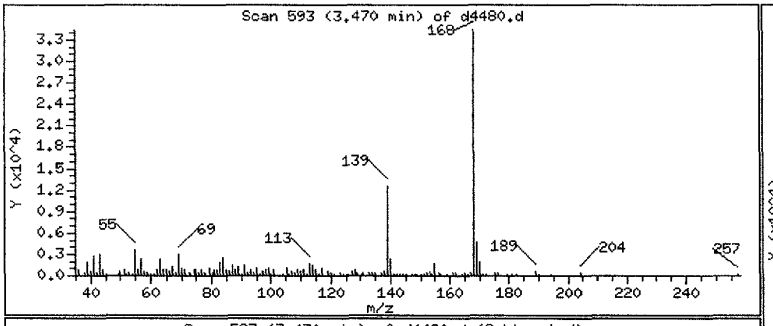
Client ID: 20612072820 Instrument: MSSV5.i

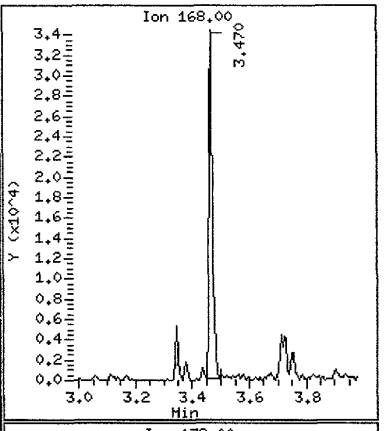
Sample Info: 20612072820*4482*

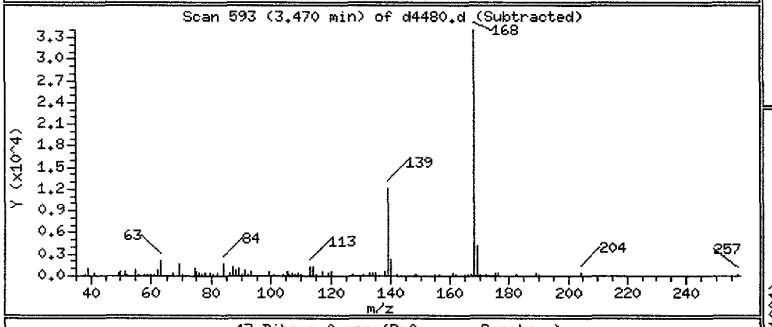
Volume Injected (uL): 1.0 Operator: rrr

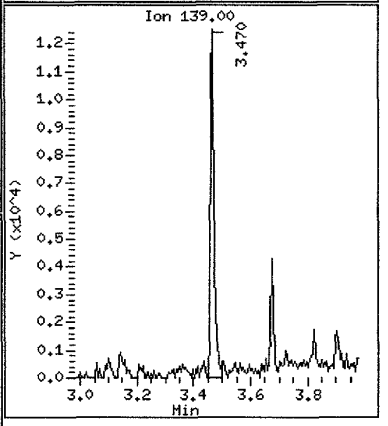
Column phase: RTX-5MS-30M Column diameter: 0.25

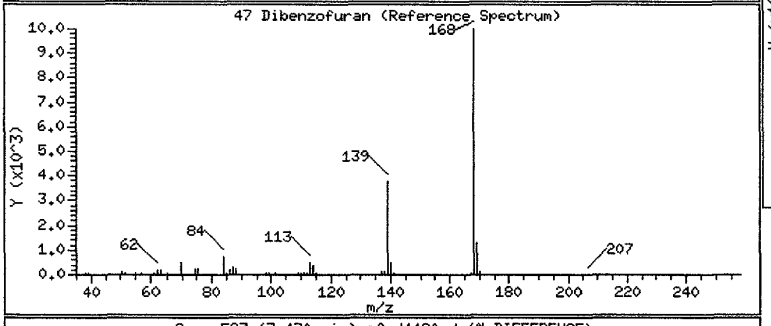
47 Dibenzofuran Concentration: 42.3 ug/Kg

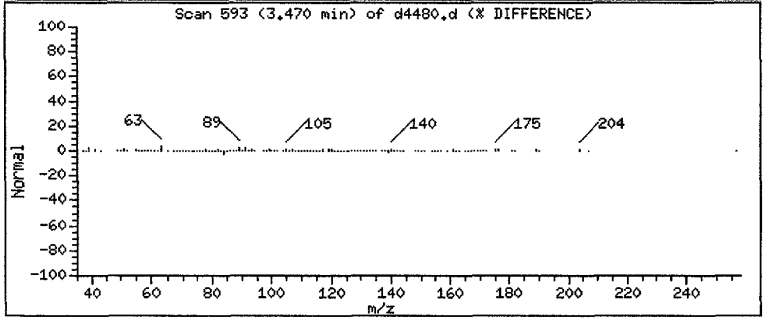












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

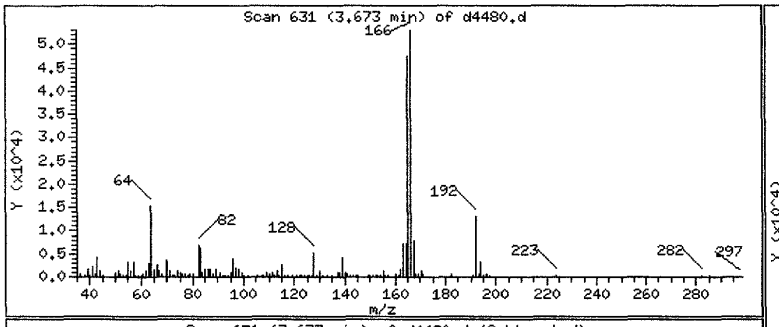
Client ID: 20612072820 Instrument: MSSV5.i

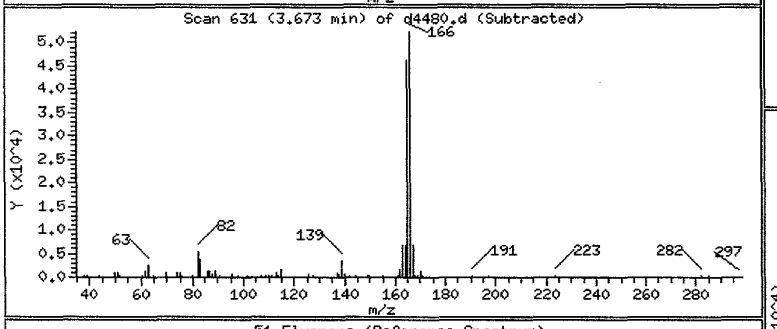
Sample Info: 20612072820*4482*

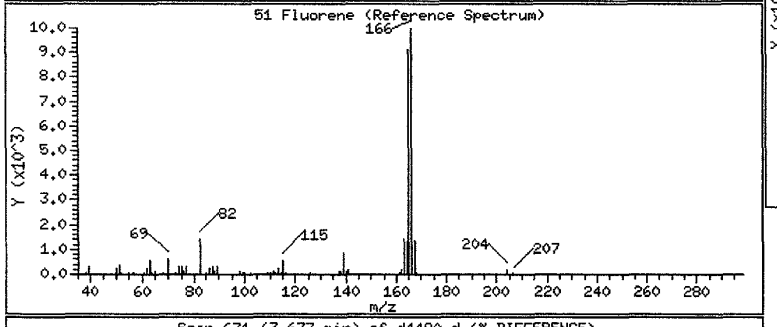
Volume Injected (uL): 1.0 Operator: rrr

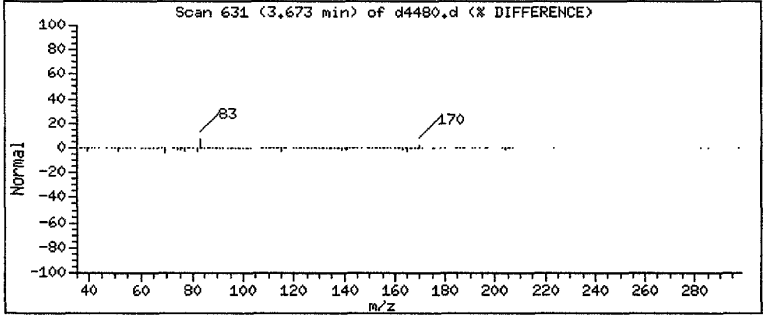
Column phase: RTX-5MS-30M Column diameter: 0.25

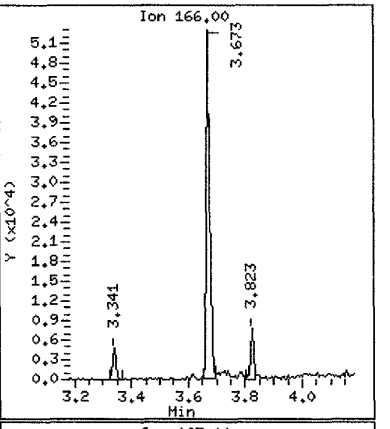
51 Fluorene Concentration: 73.5 ug/Kg

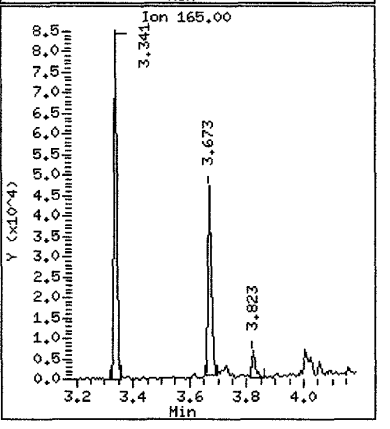












000581

034666

Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820x4482x

Volume Injected (uL): 1.0

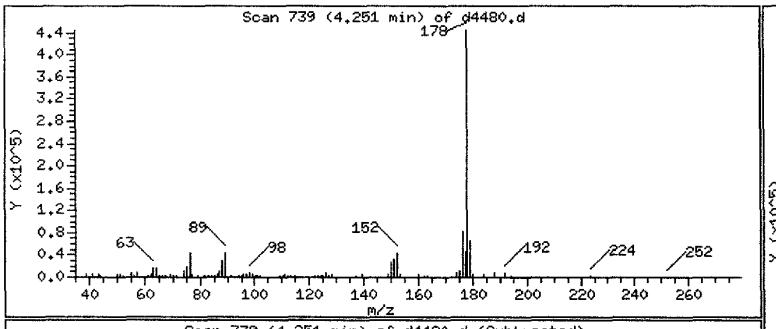
Operator: rrr

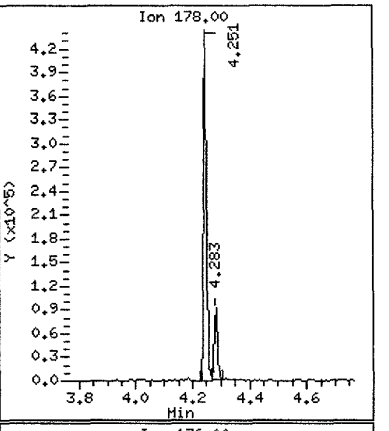
Column phase: RTX-5MS-30M

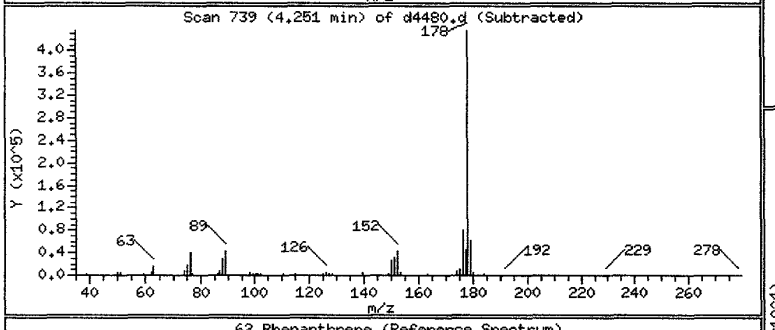
Column diameter: 0.25

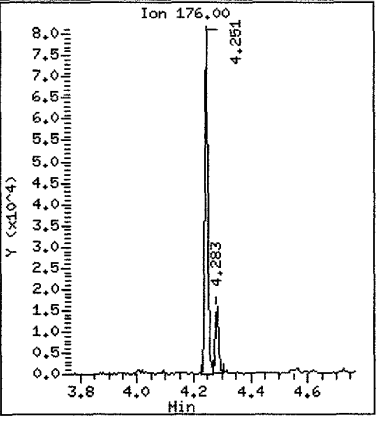
62 Phenanthrene

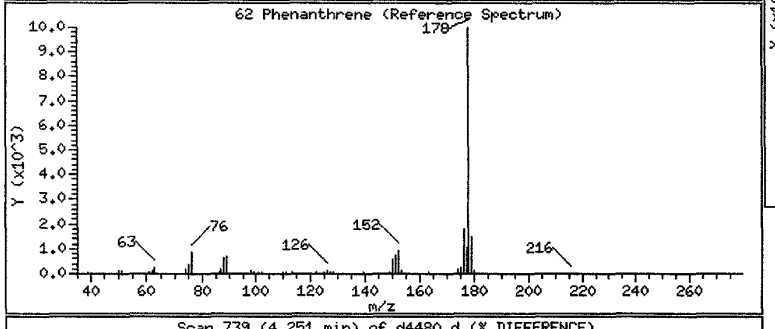
Concentration: 623 ug/Kg

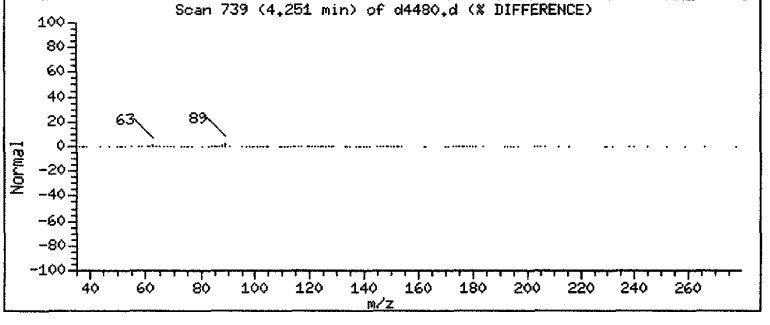












000582

034667

Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820*4482*

Volume Injected (uL): 1.0

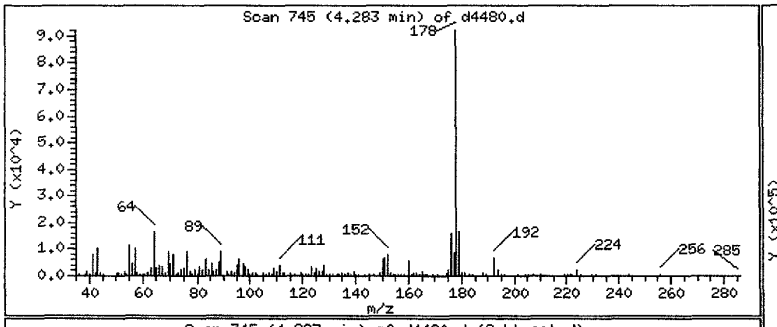
Operator: rrr

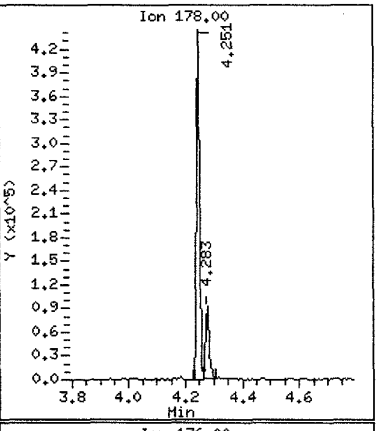
Column phase: RTX-5MS-30M

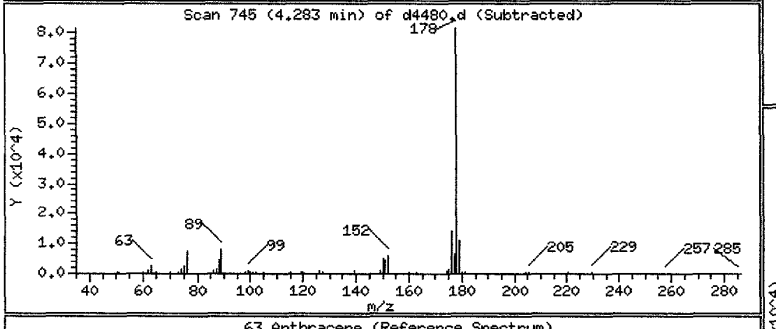
Column diameter: 0.25

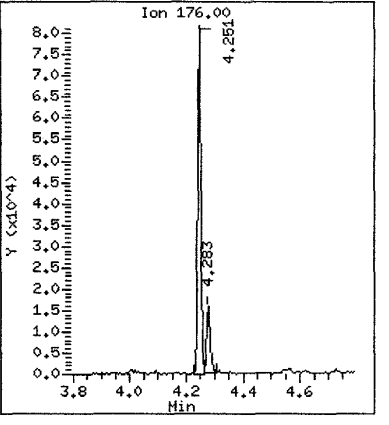
63 Anthracene

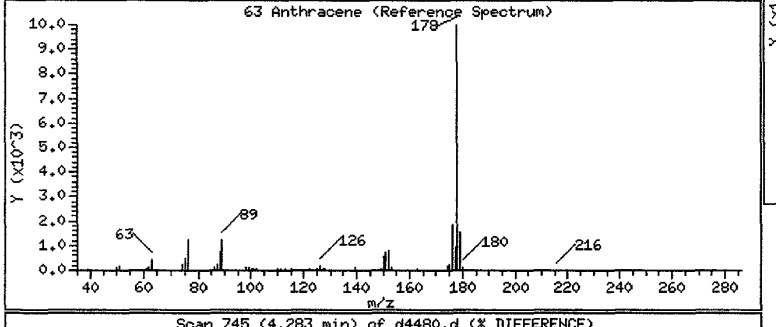
Concentration: 136 ug/Kg

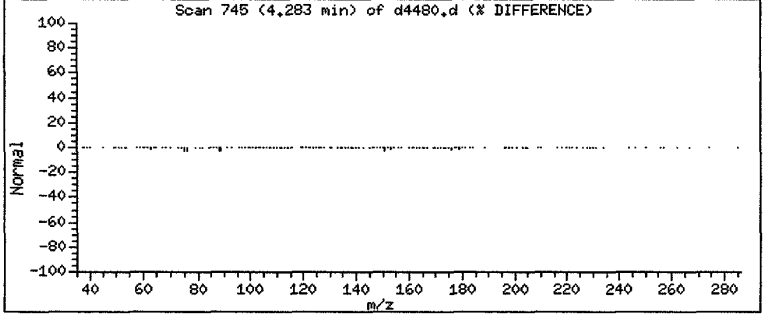












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Page 10

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820*4482*

Volume Injected (uL): 1.0

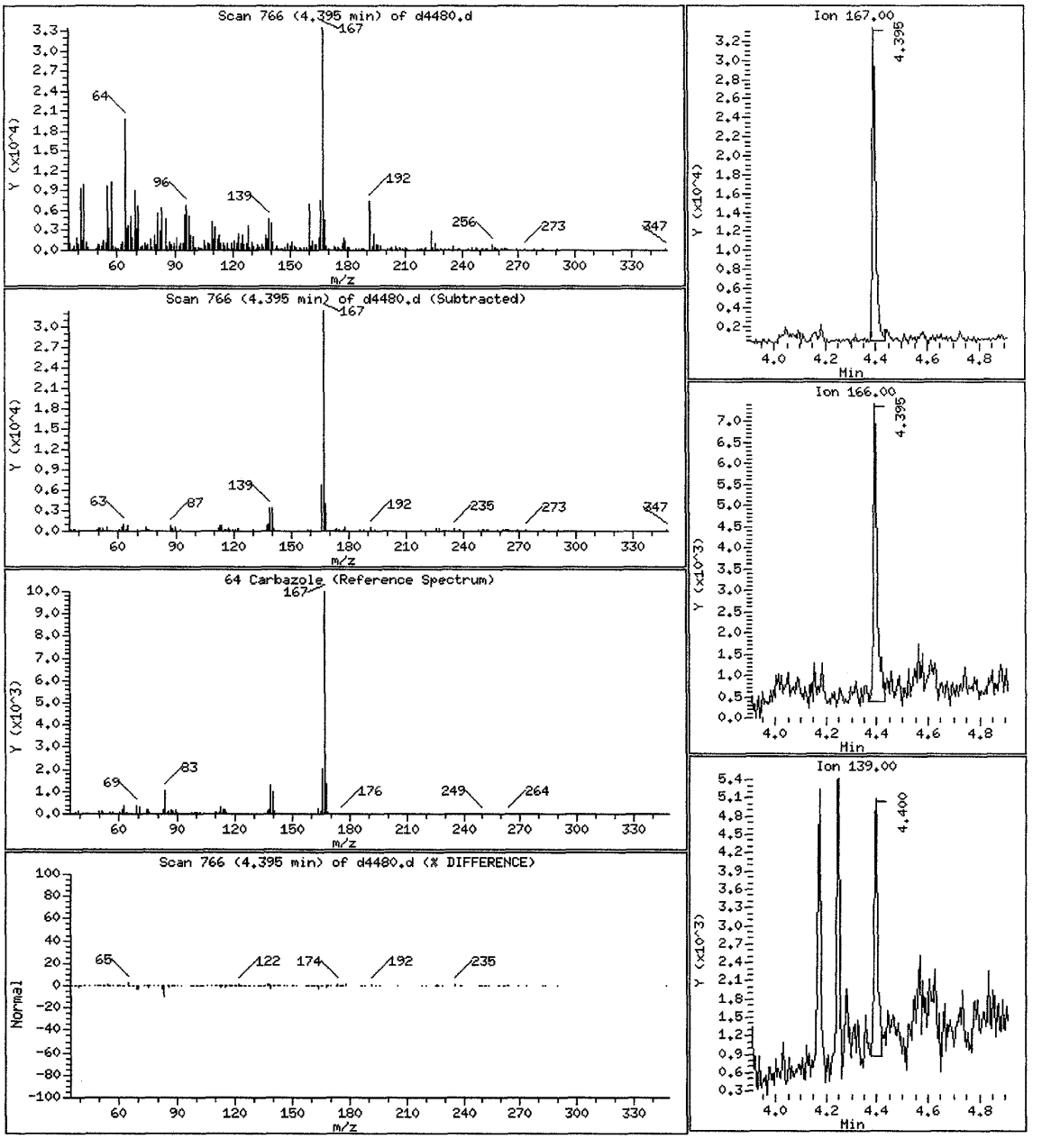
Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25

64 Carbazole

Concentration: 64.0 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820x4482x

Volume Injected (uL): 1.0

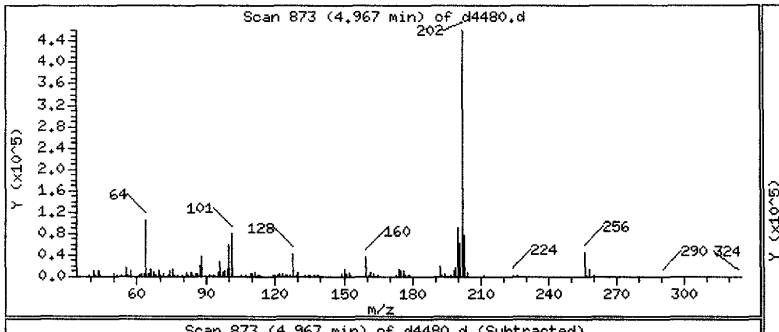
Operator: rrr

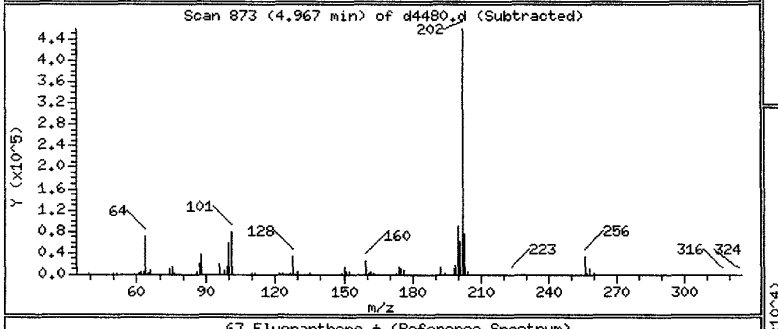
Column phase: RTX-5MS-30M

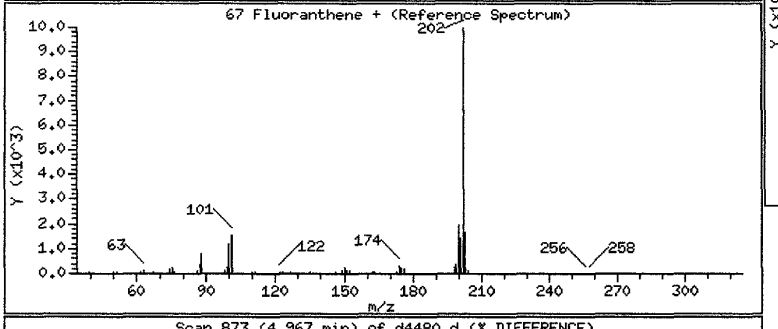
Column diameter: 0.25

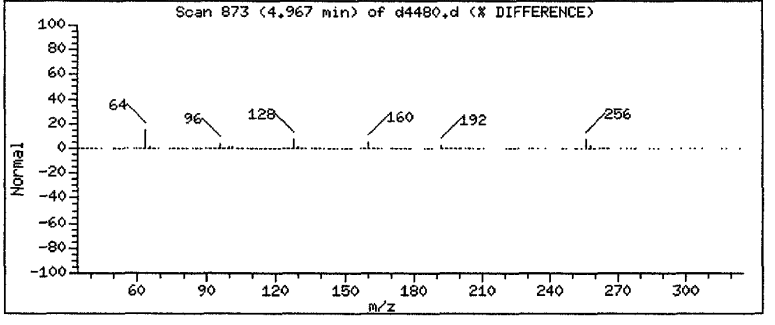
67 Fluoranthene +

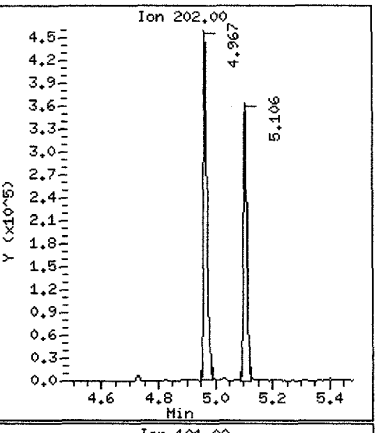
Concentration: 755 ug/Kg

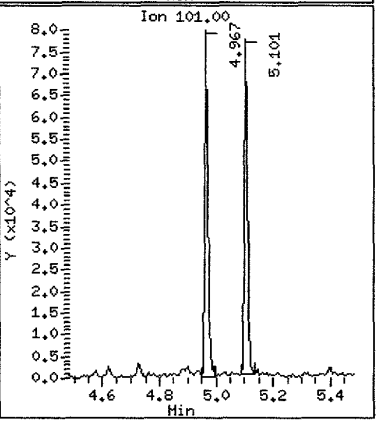












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820*4482*

Volume Injected (uL): 1.0

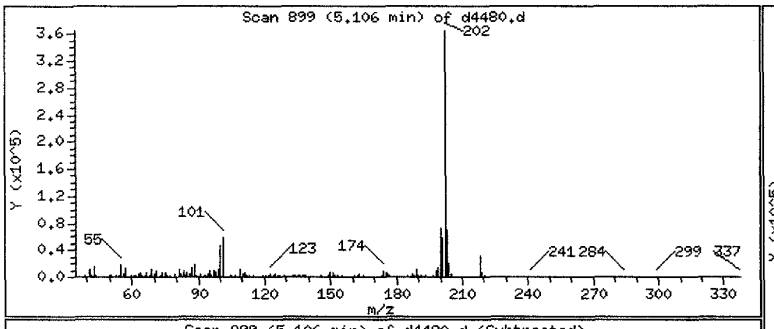
Operator: rrr

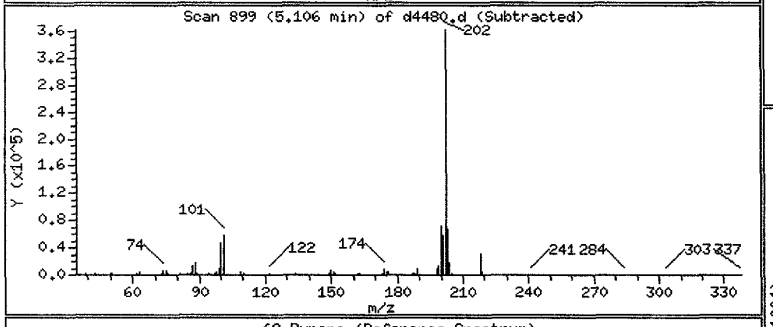
Column phase: RTX-5MS-30M

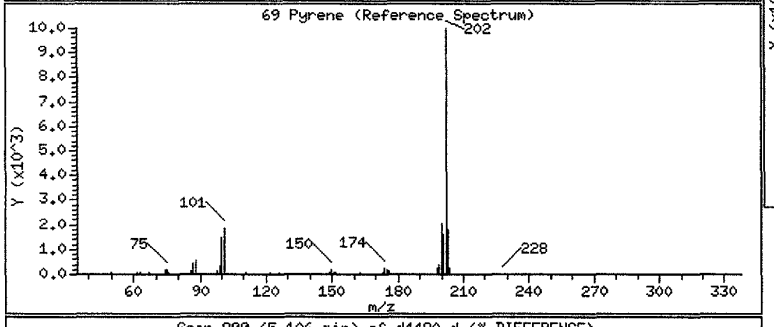
Column diameter: 0.25

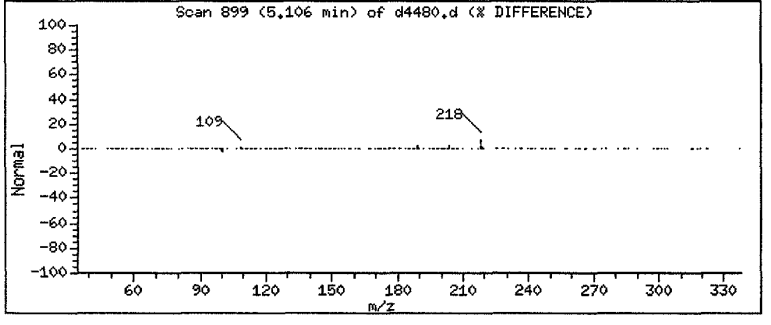
69 Pyrene

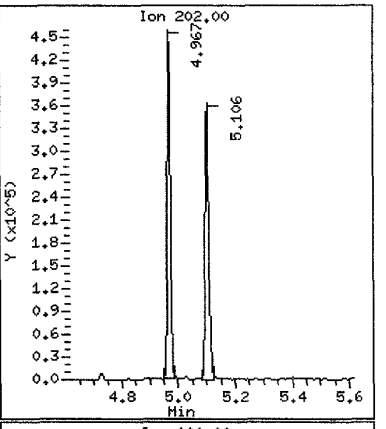
Concentration: 710 ug/Kg

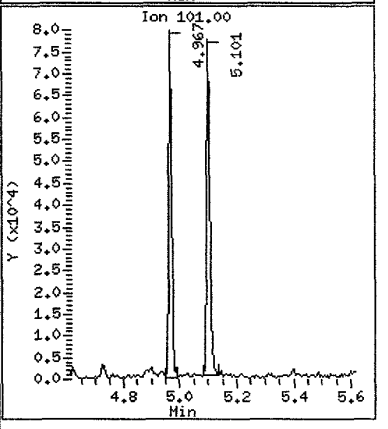












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

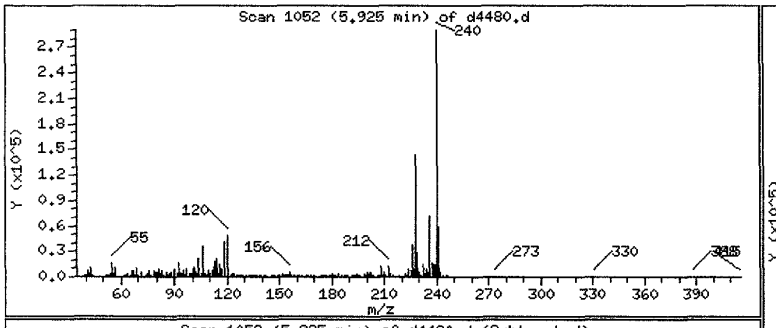
Client ID: 20612072820 Instrument: MSSV5.i

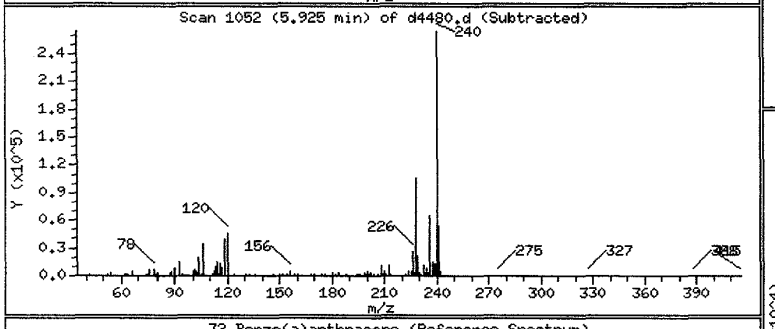
Sample Info: 20612072820x4482x

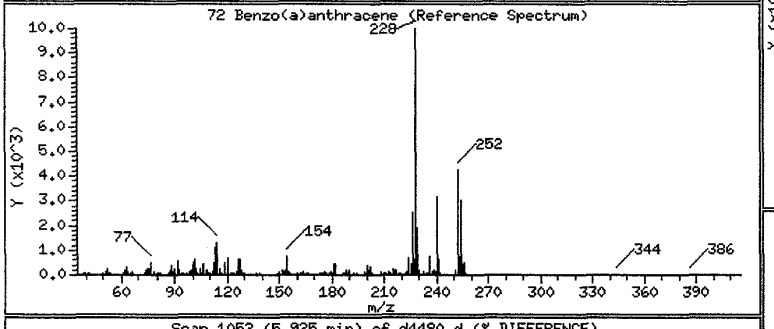
Volume Injected (uL): 1.0 Operator: rrr

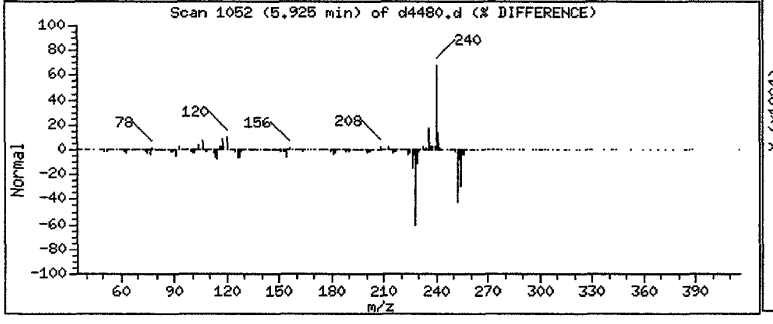
Column phase: RTX-5MS-30M Column diameter: 0.25

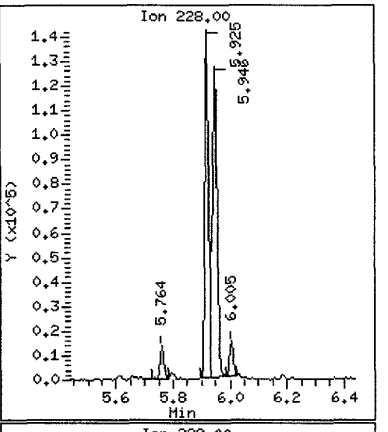
72 Benzo(a)anthracene Concentration: 383 ug/Kg

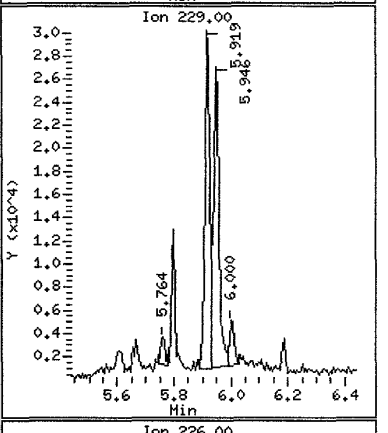


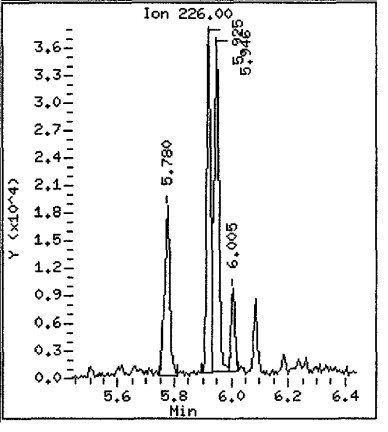












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

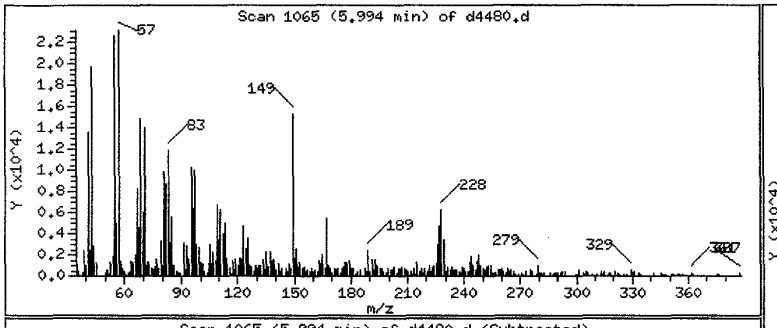
Client ID: 20612072820 Instrument: MSSV5.i

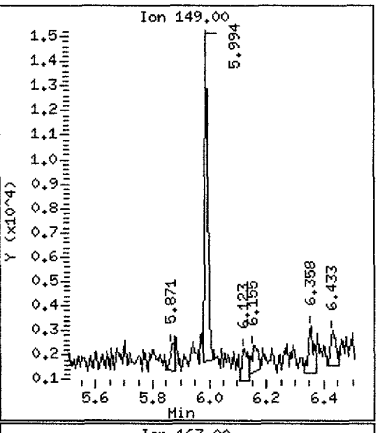
Sample Info: 20612072820x4482x

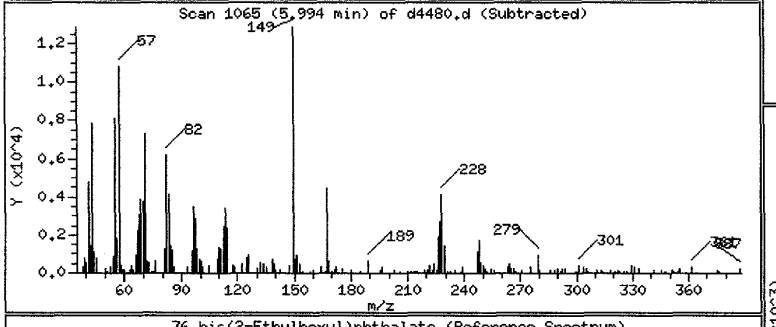
Volume Injected (uL): 1.0 Operator: rrr

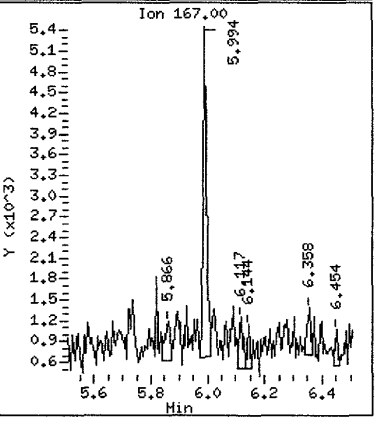
Column phase: RTX-5MS-30M Column diameter: 0.25

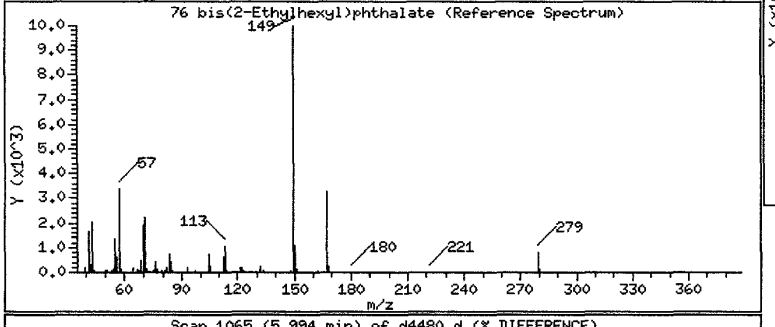
76 bis(2-Ethylhexyl)phthalate Concentration: 35.5 ug/Kg

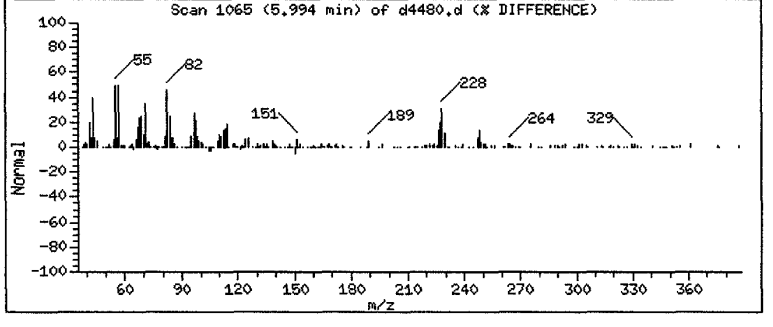












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

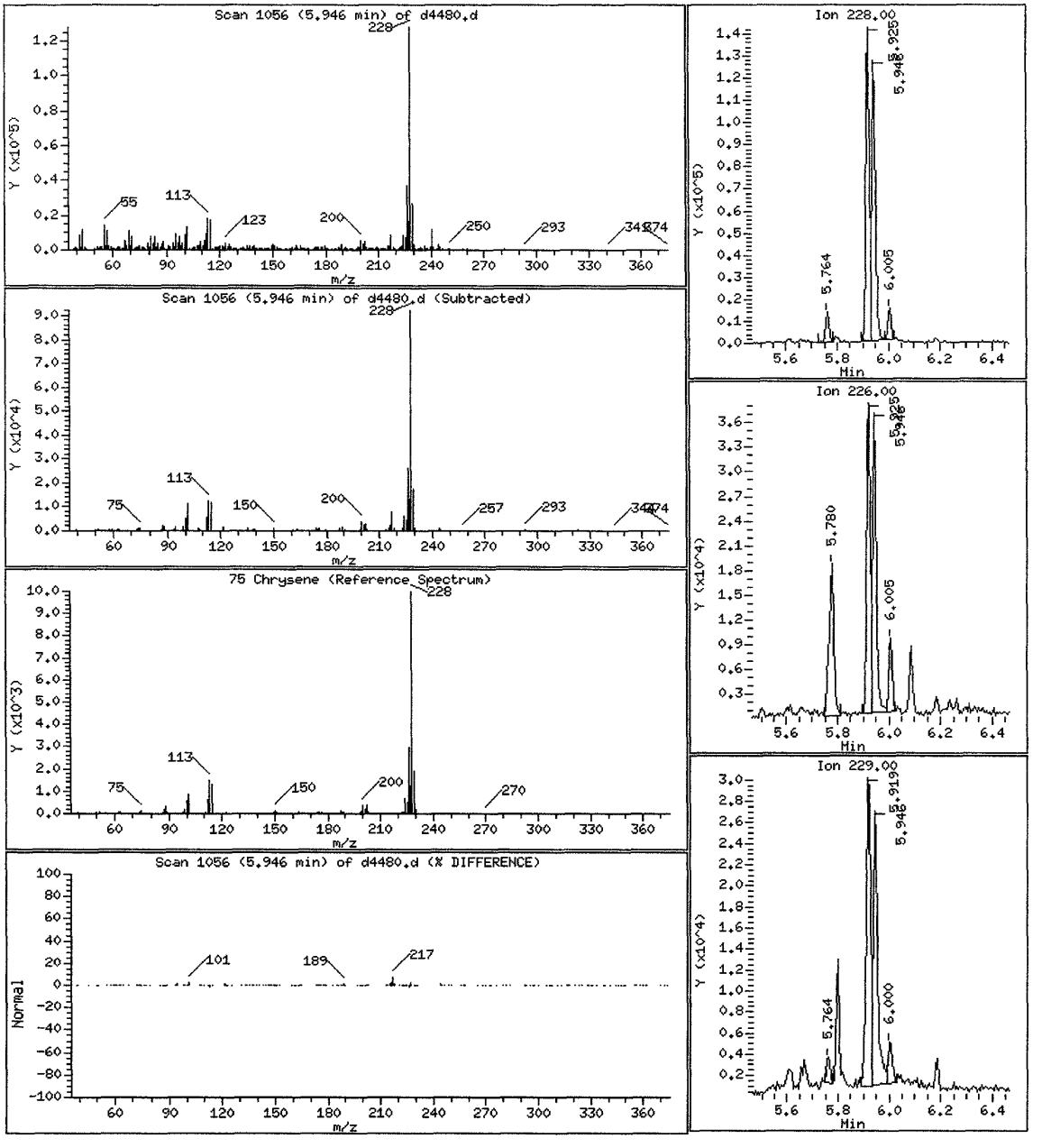
Client ID: 20612072820 Instrument: MSSV5.i

Sample Info: 20612072820*4482*

Volume Injected (uL): 1.0 Operator: rrr

Column phase: RTX-5MS-30M Column diameter: 0.25

75 Chrysene Concentration: 393 ug/Kg



Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820*4482*

Volume Injected (uL): 1.0

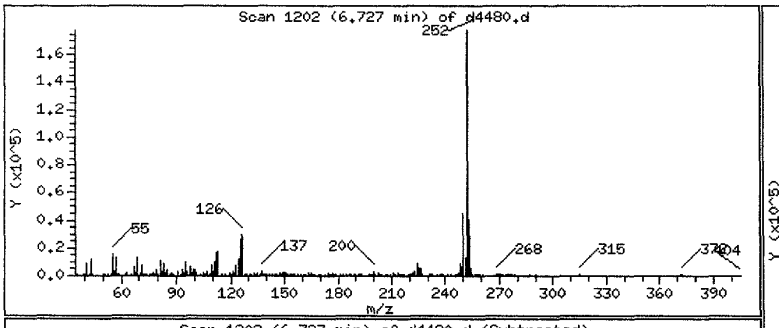
Operator: rrr

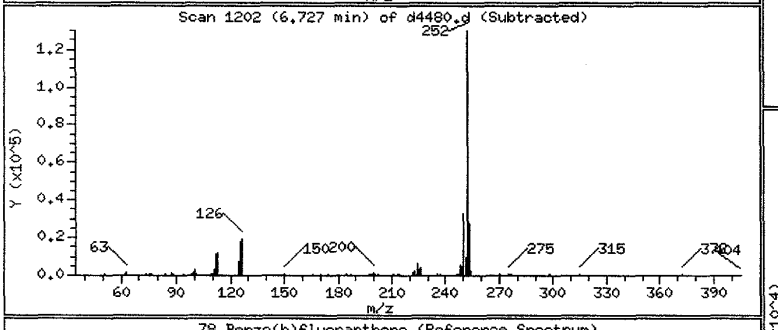
Column phase: RTX-5MS-30M

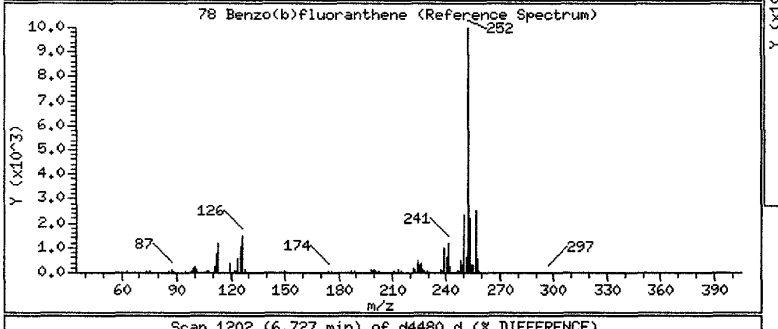
Column diameter: 0.25

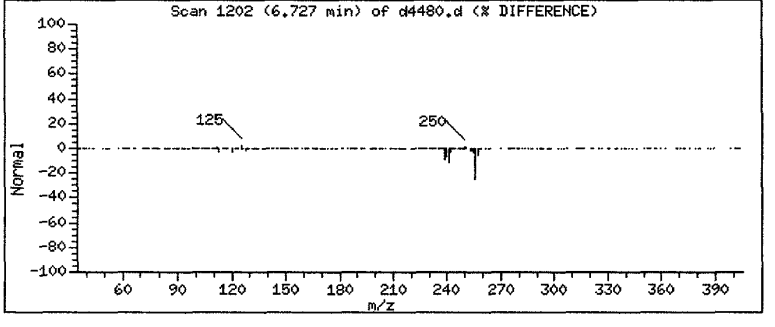
78 Benzo(b)fluoranthene

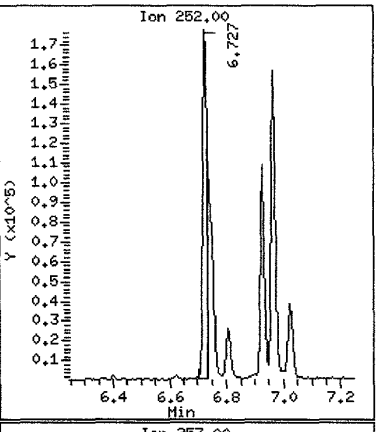
Concentration: 385 ug/Kg

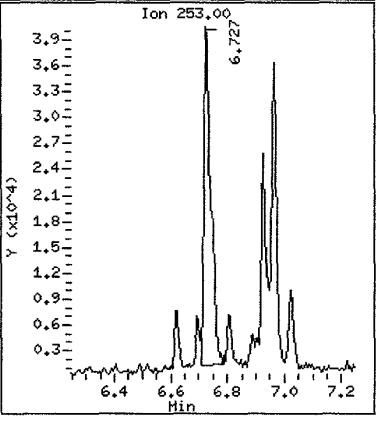












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

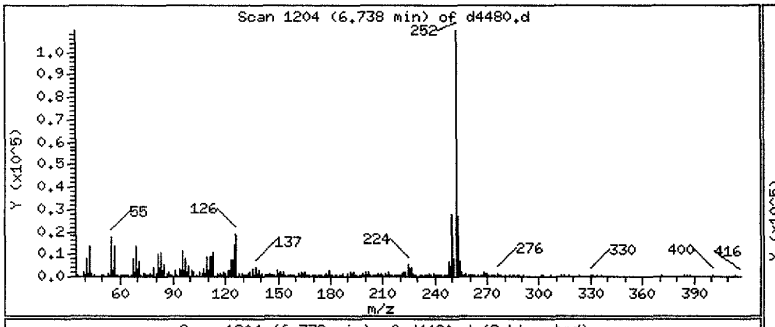
Client ID: 20612072820 Instrument: MSSV5.i

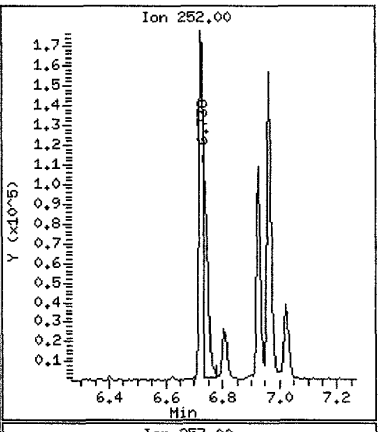
Sample Info: 20612072820*4482*

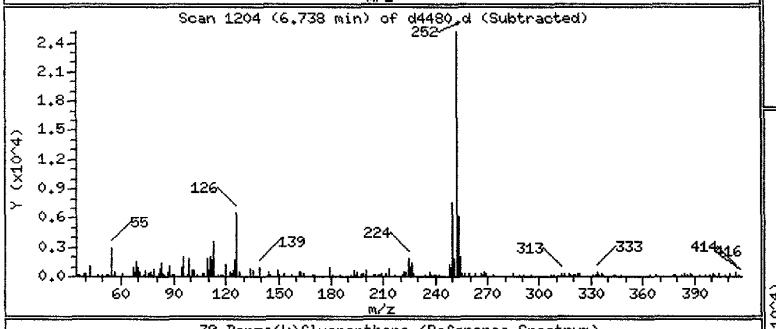
Volume Injected (uL): 1.0 Operator: rrr

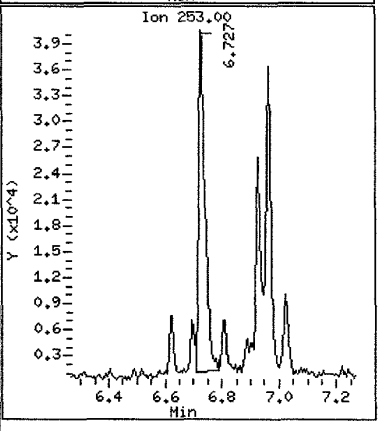
Column phase: RTX-5MS-30M Column diameter: 0.25

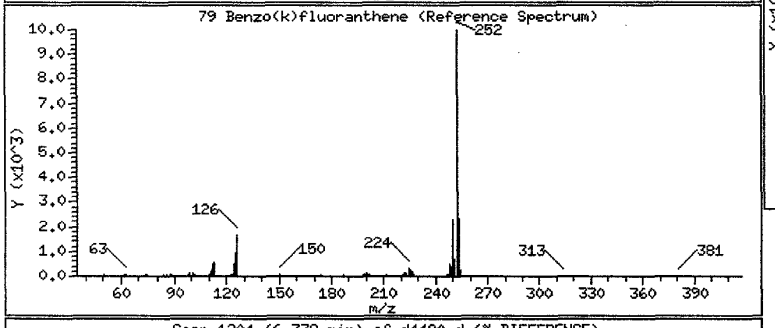
79 Benzo(k)fluoranthene Concentration: 189 ug/Kg

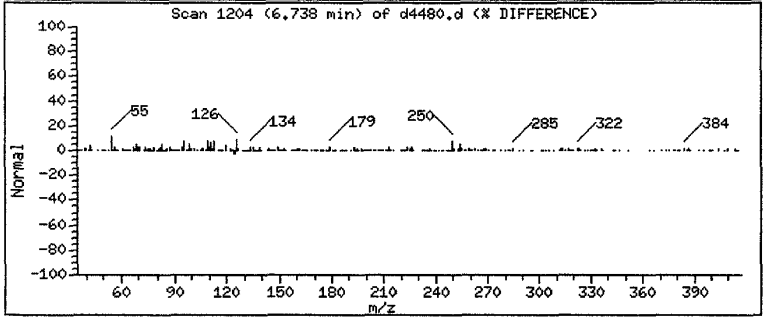












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820x4482x

Volume Injected (uL): 1.0

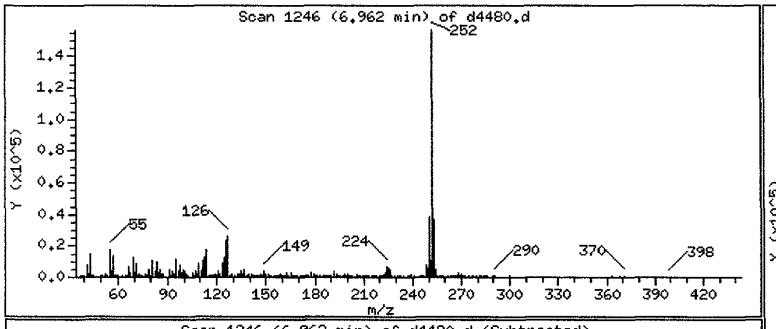
Operator: rrr

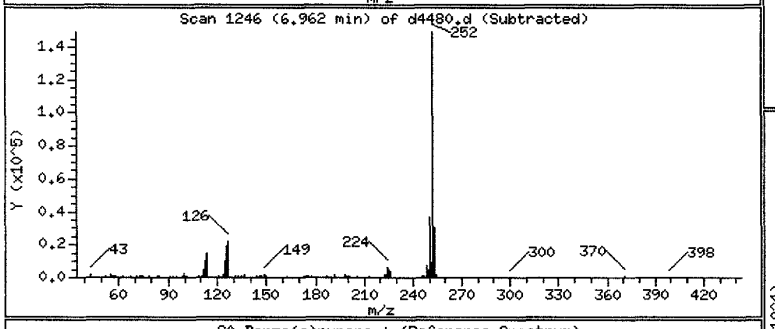
Column phase: RTX-5MS-30M

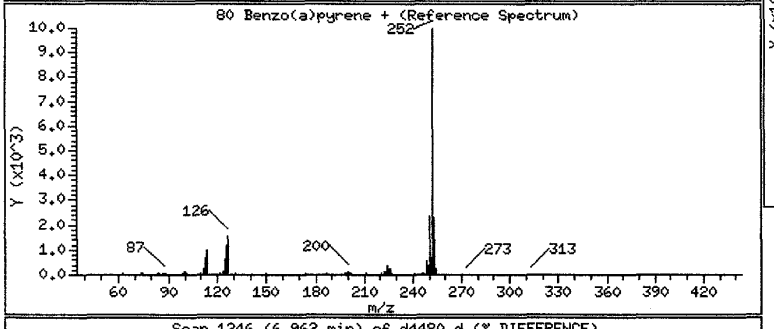
Column diameter: 0.25

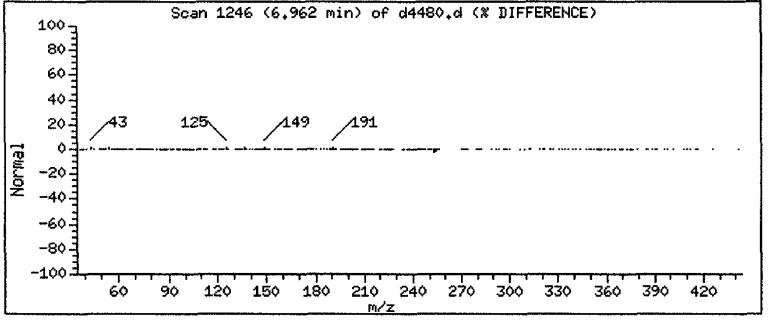
80 Benzo(a)pyrene +

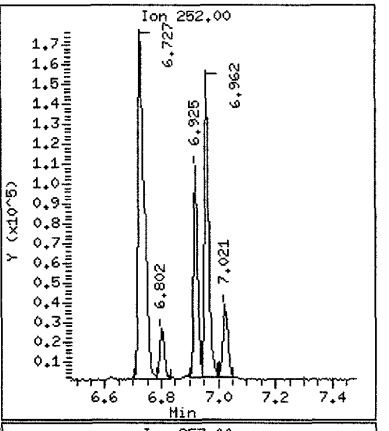
Concentration: 327 ug/Kg

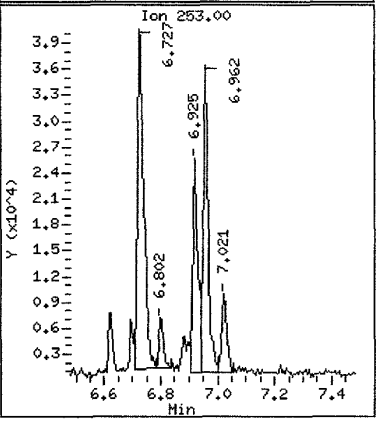












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

Client ID: 20612072820

Instrument: MSSV5.i

Sample Info: 20612072820*4482*

Volume Injected (uL): 1.0

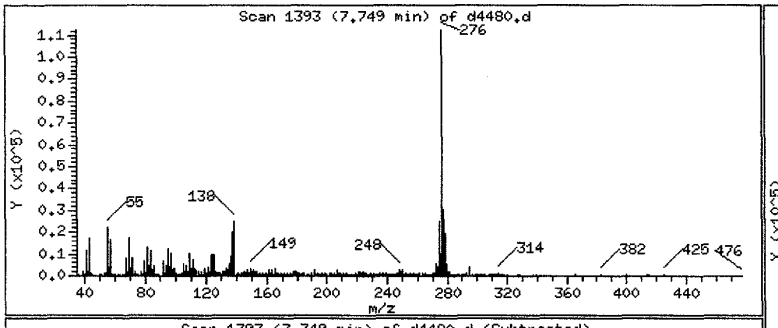
Operator: rrr

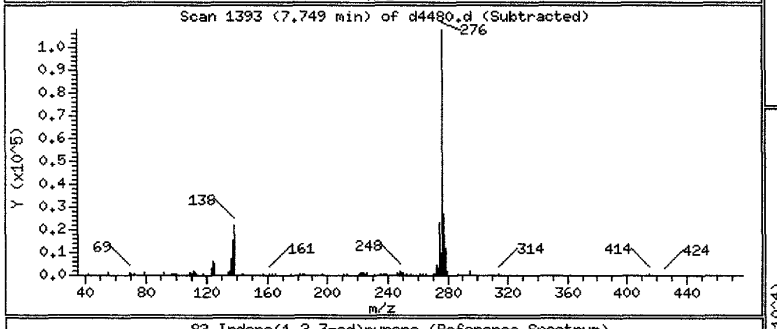
Column phase: RTX-5MS-30M

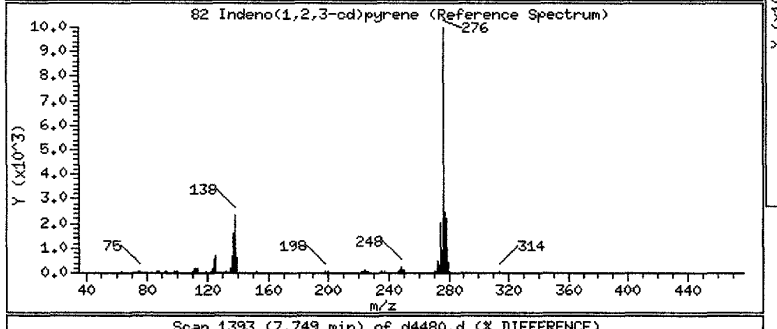
Column diameter: 0.25

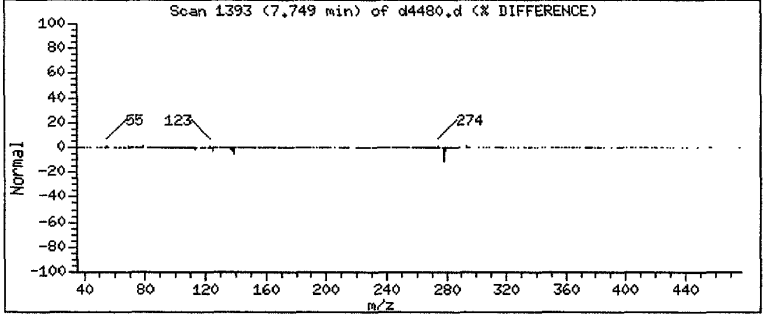
82 Indeno(1,2,3-cd)pyrene

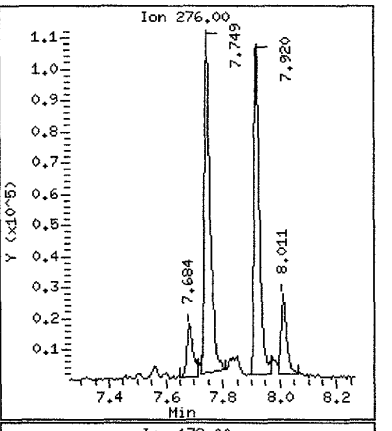
Concentration: 398 ug/Kg

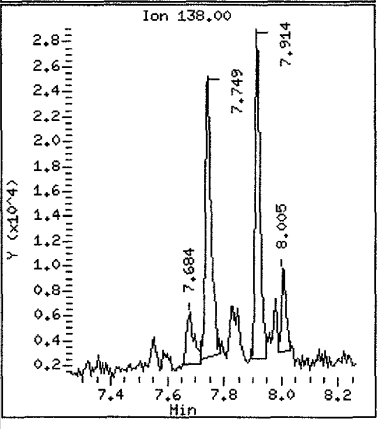












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

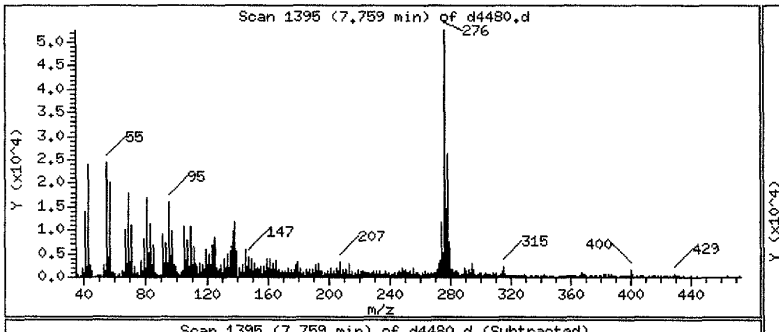
Client ID: 20612072820 Instrument: MSSV5.i

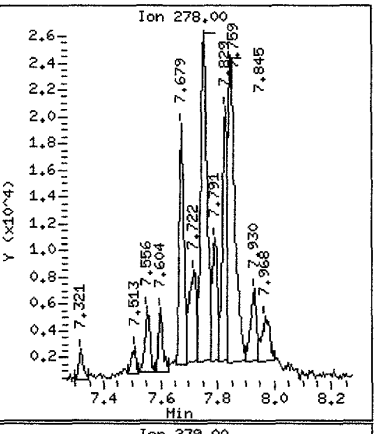
Sample Info: 20612072820*4482*

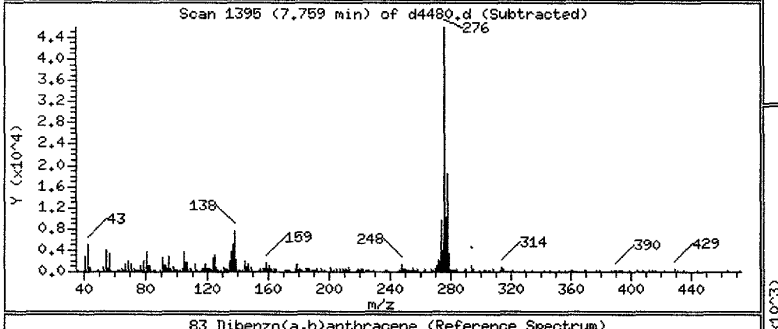
Volume Injected (uL): 1.0 Operator: rrr

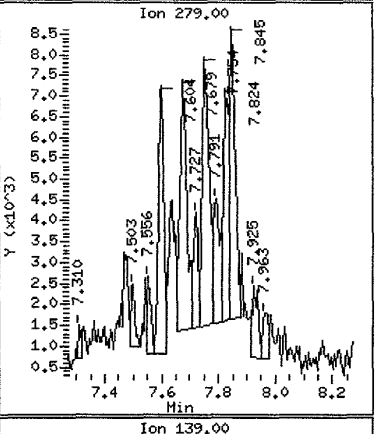
Column phase: RTX-5MS-30M Column diameter: 0.25

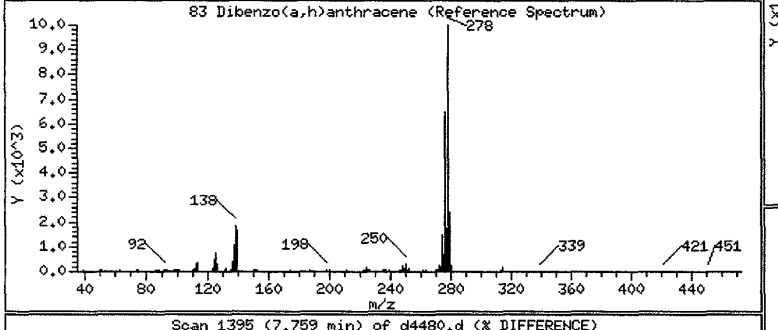
83 Dibenzo(a,h)anthracene Concentration: 165 ug/Kg

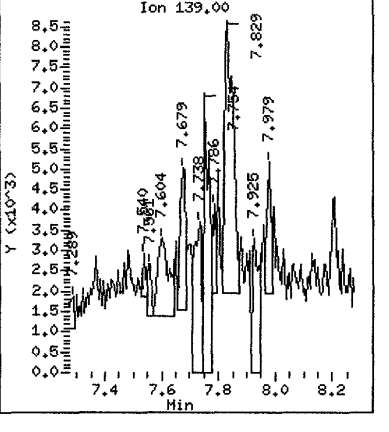


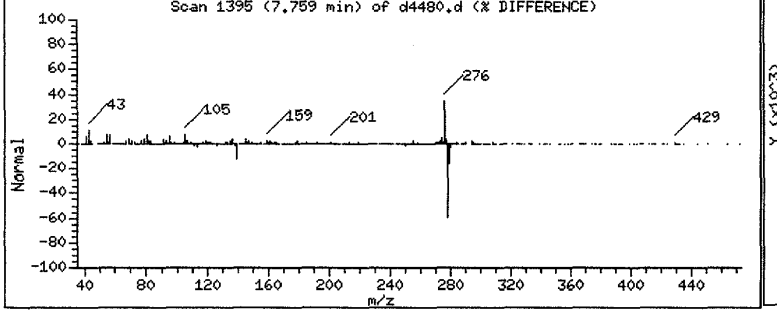












Data File: /var/chem/MSSV5.i/2061211.s.b/d4480.d

Date : 11-DEC-2006 13:09

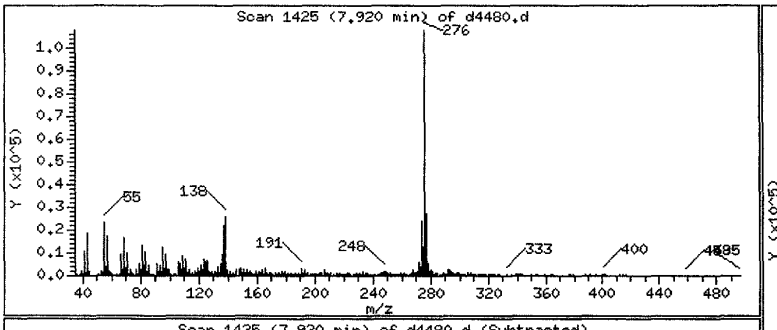
Client ID: 20612072820 Instrument: MSSV5.i

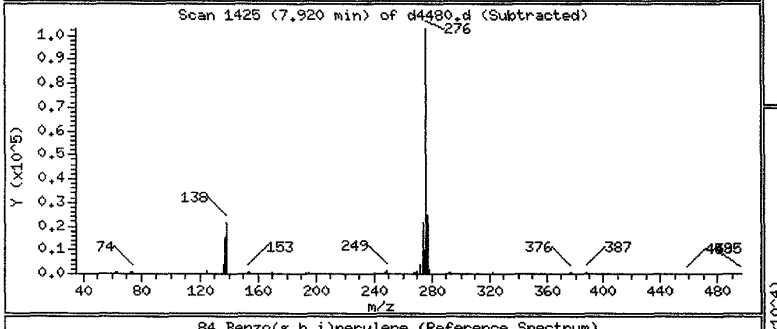
Sample Info: 20612072820x4482x

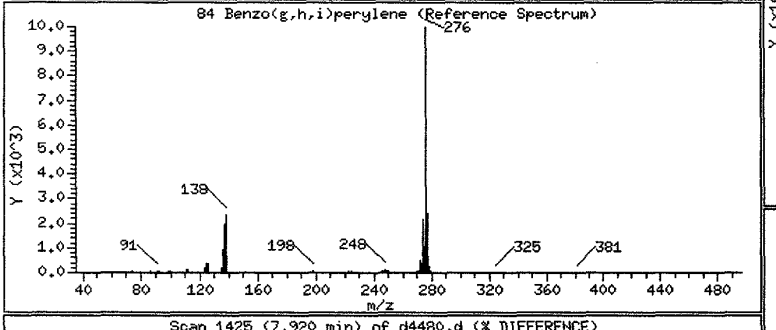
Volume Injected (uL): 1.0 Operator: rrr

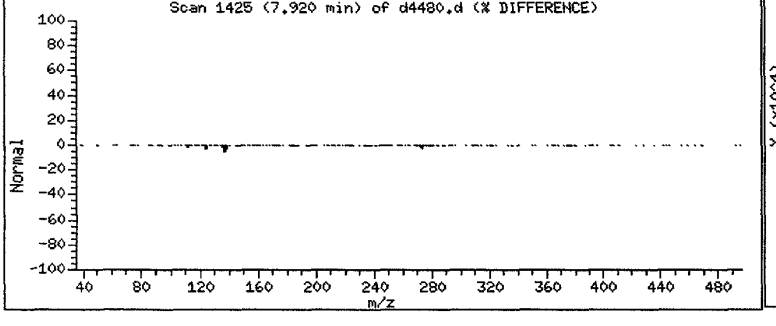
Column phase: RTX-5MS-30M Column diameter: 0.25

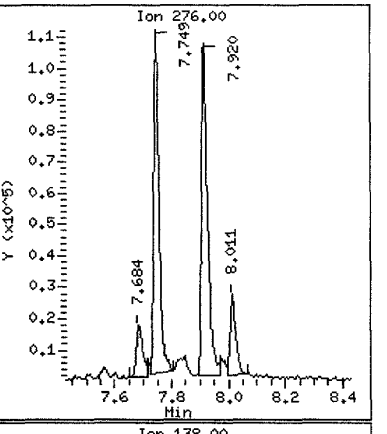
84 Benzo(g,h,i)perylene Concentration: 279 ug/Kg

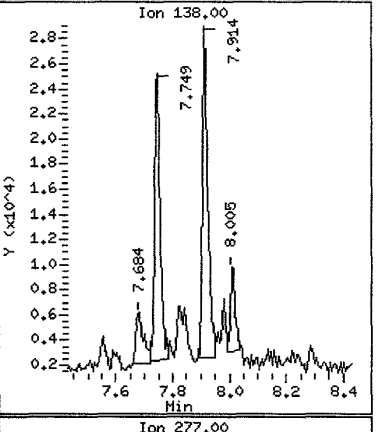


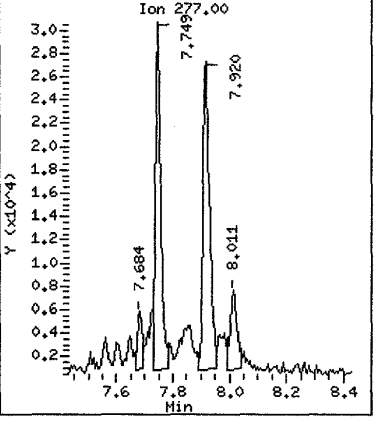








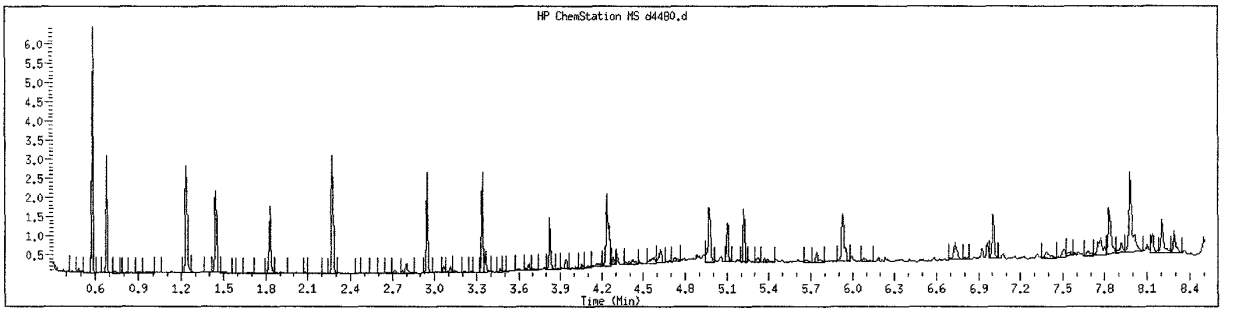




Data file : /var/chem/MSSV5.i/2061211.s.b/d4480.d Page: 1
Report Date: 12/15/2006 06:07

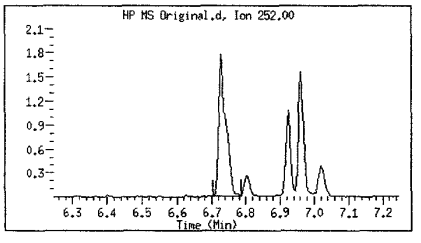
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072820 SampleType : SAMPLE
Injection Date: 12/11/2006 13:09 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072820*4482*
Misc Info : 20612072820*MSSV~4095~*120728*30.5-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



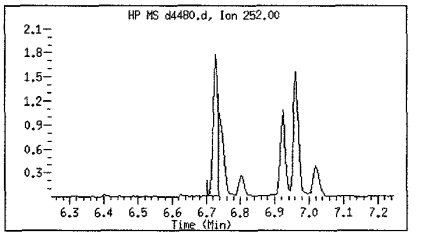
Original Final

78 Benzo(b)fluoranthene CAS#: 205-99-2 Reason: M2

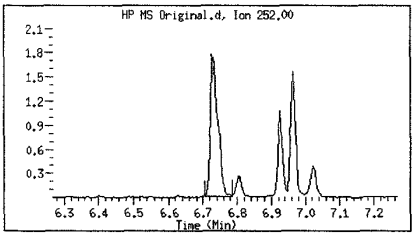


Electronic Signature Applied

User: rrr
Date: 12/15/2006 06:06

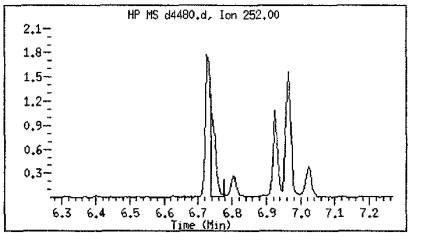


79 Benzo(k)fluoranthene CAS#: 207-08-9 Reason: M2



Electronic Signature Applied

User: rrr
Date: 12/15/2006 06:07



000596

034681

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

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Calibration File Names:
Level 1: /var/chem/MSSV5.i/2061211.s.b/d4455.d
Level 2: /var/chem/MSSV5.i/2061211.s.b/d4454.d
Level 3: /var/chem/MSSV5.i/2061211.s.b/d4453.d
Level 4: /var/chem/MSSV5.i/2061128a.s.b/d4281.d
Level 5: /var/chem/MSSV5.i/2061128a.s.b/d4280.d
Level 6: /var/chem/MSSV5.i/2061128a.s.b/d4282.d
Level 7: /var/chem/MSSV5.i/2061128a.s.b/d4283.d
Level 8: /var/chem/MSSV5.i/2061128a.s.b/d4284.d
Level 9: /var/chem/MSSV5.i/2061128a.s.b/d4285.d

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
1 n-Nitrosodimethylamine	+++++ / 0.33613	+++++ / 0.28016	0.32723 / 0.22786	0.23315	0.24007	0.15094	AVG	N\A		0.25651		25.00394
2 Pyridine	+++++ / 0.74396	+++++ / +++++	0.58915 / +++++	1.00387	0.73545	0.56146	AVG	N\A		0.72678		24.16930
5 Aniline	+++++ / 655344	+++++ / 899619	+++++ / 1021991	116440	410036	515866	QUA	NO	0.10987	0.24617	0.18875	0.99644

034683

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
6 Phenol +	1.95726	2.55037	2.17719	2.72753	2.17101	2.19953						
	2.01637	1.88192	1.70707				AVG	N\A		2.15425		14.86491
7 bis(-2-Chloroethyl)Ether	+++++	1.51182	1.47284	1.77796	1.48419	1.47400						
	1.45506	1.36230	1.37632				AVG	N\A		1.48931		8.58487
8 2-Chlorophenol	+++++	1.68437	1.58990	1.90601	1.59223	1.59324						
	1.57308	1.52005	1.45383				AVG	N\A		1.61409		8.37337
9 1,3-Dichlorobenzene	+++++	2.01855	1.88934	2.15139	1.86562	1.86270						
	1.84431	1.74288	1.73859				AVG	N\A		1.88917		7.29214
11 1,4-Dichlorobenzene +	+++++	1.99705	1.87294	2.20190	1.88438	1.85121						
	1.84795	1.74246	1.73120				AVG	N\A		1.89114		7.97727
12 Benzyl alcohol	+++++	1.03274	1.02559	1.21457	1.16996	1.21068						
	1.16885	1.13147	1.08377				AVG	N\A		1.12970		6.62958
13 1,2-Dichlorobenzene	+++++	1.91700	1.87304	2.10056	1.79685	1.78658						
	1.73821	1.68439	1.66712				AVG	N\A		1.82047		7.79718

000399

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
14 Bis(2-chloroisopropyl)ether	+++++	3.48344	3.20583	3.78899	3.17795	3.18393						
	3.12619	2.89198	2.71782				AVG	N\A		3.19702		10.31179
15 2-Methylphenol	+++++	1.70861	1.70647	2.01513	1.63807	1.68357						
	1.64581	1.57018	1.47849				AVG	N\A		1.68079		9.25633
16 N-Nitroso-di-n-propylamine+	+++++	9137	14470	96985	408971	538388						
	780332	1097015	1204457				QUA	NO	0.04819	0.43778	0.08842	0.99565
17 3- & 4-Methylphenol	+++++	1.70554	1.81706	2.10324	1.65052	1.68657						
	1.60013	1.45057	1.35623				AVG	N\A		1.67123		13.62053
18 Hexachloroethane	+++++	0.76530	0.78420	0.88332	0.71864	0.72856						
	0.72361	0.66161	0.64618				AVG	N\A		0.73893		10.09214
20 Nitrobenzene	+++++	0.58608	0.48436	0.57686	0.51798	0.50055						
	0.49806	0.47617	0.45939				AVG	N\A		0.51243		8.99451
21 Isophorone	+++++	0.98196	0.95790	1.06905	0.89738	0.89888						
	0.89871	0.86493	0.82171				AVG	N\A		0.92382		8.33281

003000

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
22 2-Nitrophenol +	+++++	0.20740	0.19619	0.24680	0.21910	0.22019						
	0.21935	0.21043	0.20712				AVG	N\A		0.21582		6.92360
23 2,4-Dimethyphenol	+++++	0.41669	0.40418	0.51436	0.43927	0.44492						
	0.43216	0.39910	0.38388				AVG	N\A		0.42932		9.37979
24 bis(-2-Chloroethoxy)methane	+++++	0.55554	0.52584	0.60933	0.53163	0.52214						
	0.50698	0.48962	0.47306				AVG	N\A		0.52677		7.97235
25 Benzoic Acid	+++++	1510	1545	37739	175670	279842						
	410788	636032	774740				LNR	NO	0.05628	0.18219		0.99872
26 2,4-Dichlorophenol +	+++++	0.29609	0.26625	0.34115	0.30355	0.29351						
	0.28601	0.27026	0.25825				AVG	N\A		0.28938		9.07112
27 1,2,4-Trichlorobenzene	+++++	0.38635	0.32007	0.36863	0.31829	0.31535						
	0.32724	0.32484	0.32692				AVG	N\A		0.33596		7.85727
29 Naphthalene	+++++	1.31708	1.22294	1.40003	1.17985	1.16510						
	1.14388	1.06976	1.04926				AVG	N\A		1.19349		9.93236

000501

034686

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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
30 4-Chloroaniline	+++++	8718	15295	88427	331052	417560						
	547980	736956	889522				QUA	NO	-0.02012	2.81857	2.05193	0.99547
31 Hexachlorobutadiene +	0.23450	0.18497	0.19393	0.22022	0.19871	0.19705						
	0.20733	0.20719	0.21035				AVG	N\A		0.20603		7.19416
32 4-Chloro-3-Methylphenol +	+++++	0.40008	0.39101	0.41055	0.35975	0.36098						
	0.34662	0.31959	0.30044				AVG	N\A		0.36113		10.71093
33 2-Methylnaphthalene	+++++	0.96671	0.87992	0.92966	0.78043	0.77325						
	0.76962	0.75221	0.70596				AVG	N\A		0.81972		11.39075
34 Hexachlorocyclopentadiene +	+++++	+++++	+++++	25520	190047	270301						
	441740	679045	825758				QUA	NO	0.14382	2.75892	-0.16902	0.99935
35 2,4,6-Trichlorophenol +	+++++	0.32169	0.33022	0.38442	0.35606	0.35543						
	0.34810	0.34880	0.34177				AVG	N\A		0.34831		5.41826
36 2,4,5-Trichlorphenol	+++++	0.34578	0.33498	0.40227	0.35945	0.36804						
	0.35791	0.34920	0.33847				AVG	N\A		0.35701		5.98186

000301A

034687

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
38 2-Chloronaphthalene	+++++	+++++	+++++	1.34435	1.14944	1.12128						
	1.11711	1.09508	1.07577				AVG	N\A		1.15050		8.53419
39 2-Nitroaniline	+++++	0.41332	0.41398	0.49626	0.43373	0.43192						
	0.39799	0.37078	0.36164				AVG	N\A		0.41495		10.11635
40 Dimethylphthalate	+++++	1.43071	1.36231	1.42182	1.26192	1.25154						
	1.20496	1.13077	1.09749				AVG	N\A		1.27019		9.92191
41 2,6-Dinitrotoluene	+++++	+++++	0.33349	0.35387	0.32540	0.32289						
	0.30362	0.28368	0.27327				AVG	N\A		0.31375		9.07462
42 Acenaphthylene	+++++	1.79179	1.70801	1.82602	1.42037	1.41909						
	1.39541	1.32271	1.30619				AVG	N\A		1.52370		14.09830
43 3-Nitroaniline	+++++	3692	7852	39939	169697	207380						
	280627	372400	454658				QUA	NO	-0.03461	3.47725	1.09910	0.99516
45 Acenaphthene +	+++++	1.51951	1.31344	1.56740	1.30188	1.25299						
	1.23593	1.17186	1.15779				AVG	N\A		1.31510		11.53221

205000

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
46 2,4-Dinitrophenol ++	+++++	+++++	+++++	0.14055	0.18032	0.21377						
	0.19974	0.18518	0.18582				AVG	N\A		0.18423		13.38477
47 Dibenzofuran	+++++	1.92395	1.77006	1.97489	1.69947	1.67299						
	1.62169	1.54230	1.52035				AVG	N\A		1.71571		9.66934
48 2,4-Dinitrotoluene	+++++	+++++	0.42013	0.46923	0.42386	0.42411						
	0.40683	0.37047	0.35891				AVG	N\A		0.41051		8.99622
49 4-Nitrophenol ++	+++++	+++++	+++++	0.17299	0.18153	0.19058						
	0.18685	0.17399	0.16244				AVG	N\A		0.17806		5.79448
50 Diethylphthalate	+++++	1.45021	1.35721	1.45252	1.28212	1.28799						
	1.20936	1.13202	1.09025				AVG	N\A		1.28271		10.52550
51 Fluorene	+++++	1.63813	1.55419	1.62488	1.39530	1.36869						
	1.31214	1.24126	1.18872				AVG	N\A		1.41541		12.17027
52 4-Chlorophenyl-phenylether	+++++	0.67535	0.61624	0.67866	0.58126	0.56740						
	0.56357	0.54947	0.55155				AVG	N\A		0.59794		8.88040

034689

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
53 4-Nitroaniline	+++++	3301	6567	41947	164267	223424						
	307686	393632	446780				QUA	NO	0.03224	2.45486	1.98015	0.99587
54 4,6-Dinitro-o-cresol	+++++	+++++	+++++	0.14665	0.15722	0.17142						
	0.17279	0.16187	0.16681				AVG	N\A		0.16279		6.03753
55 N-nitrosodiphenylamine (1)+	+++++	0.65613	0.58574	0.68358	0.59883	0.60224						
	0.60305	0.57450	0.57968				AVG	N\A		0.61047		6.35701
56 Azobenzene	+++++	1.15727	1.02550	1.18293	1.03700	1.04139						
	1.04922	0.98387	0.95123				AVG	N\A		1.05355		7.52952
58 4-Bromophenyl-phenylether	+++++	0.23368	0.20200	0.23735	0.21030	0.20384						
	0.21056	0.21152	0.21886				AVG	N\A		0.21602		6.06740
59 Hexachlorobenzene	+++++	0.27310	0.24676	0.27358	0.25491	0.25290						
	0.26848	0.27683	0.28143				AVG	N\A		0.26600		4.78497
60 Pentachlorophenol +	+++++	+++++	+++++	0.12933	0.15437	0.16474						
	0.17200	0.17184	0.17360				AVG	N\A		0.16098		10.60897

000304

034690

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
62 Phenanthrene	+++++	1.39923	1.30599	1.36376	1.21749	1.18230						
	1.15905	1.10655	1.11886				AVG	N\A		1.23165		9.06913
63 Anthracene	+++++	1.40161	1.29920	1.40839	1.20399	1.18742						
	1.19514	1.13737	1.10950				AVG	N\A		1.24283		9.20184
64 Carbazole	+++++	1.17605	1.06307	1.12926	0.95959	0.97062						
	0.93949	0.87168	0.87869				AVG	N\A		0.99856		11.29239
65 Di-n-butylphthalate	+++++	1.45997	1.31720	1.48294	1.30772	1.30655						
	1.28432	1.18467	1.18148				AVG	N\A		1.31561		8.38096
M 66 Total Methylphenol	+++++	1.70707	1.76177	2.05919	1.64430	1.68507						
	1.62297	1.51037	1.41736				AVG	N\A		1.67601		11.35166
67 Fluoranthene +	+++++	1.23120	1.16166	1.27281	1.07759	1.13844						
	1.12574	1.05613	1.08282				AVG	N\A		1.14330		6.67271
68 Benzidine	+++++	+++++	+++++	+++++	0.01233	0.01204						
	0.01110	0.00976	0.00853				AVG	N\A		0.01075		14.86352

005005

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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
69 Pyrene	+++++	1.91356	1.71563	1.94773	1.52919	1.43706						
	1.44149	1.41411	1.35809				AVG	N\A		1.59461		14.65234
71 Butylbenzylphthalate	+++++	0.92311	0.74823	0.88791	0.72496	0.72018						
	0.70859	0.68906	0.66037				AVG	N\A		0.75780		12.56655
72 Benzo(a)anthracene	5344	17091	32961	172686	883040	1303890						
	1761361	2446117	3002515				LNR	NO	-0.00932	1.28639		0.99971
73 3,3'-Dichlorobenzidine	+++++	0.44420	0.43375	0.44874	0.38790	0.38688						
	0.38199	0.35635	0.35837				AVG	N\A		0.39977		9.33492
75 Chrysene	+++++	1.37260	1.28036	1.44924	1.22895	1.24139						
	1.27976	1.22340	1.16595				AVG	N\A		1.28020		7.08107
76 bis(2-Ethylhexyl)phthalate	+++++	13957	26321	135502	639306	974689						
	1299014	1766570	2026755				QUA	NO	0.00166	0.94811	0.04154	0.99976
77 Di-n-octylphthalate +	+++++	+++++	1.64489	1.82077	1.69943	1.69082						
	1.64458	1.59011	1.55264				AVG	N\A		1.66332		5.21549

900900

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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
78 Benzo(b)fluoranthene	4615	15036	36201	150866	927692	1222951						
	1856512	2954610	3713000				QUA	NO	-0.01155	0.75040	-0.01806	0.99856
79 Benzo(k)fluoranthene	2.03888	1.86189	1.42913	1.93903	1.57169	1.76260						
	1.74209	1.46615	1.49180				AVG	N\A		1.70036		13.01414
80 Benzo(a)pyrene +	1.81373	1.37583	1.27247	1.40391	1.25079	1.26323						
	1.30871	1.27079	1.29395				AVG	N\A		1.36149		13.03433
82 Indeno(1,2,3-cd)pyrene	4572	15636	33601	174311	937351	1440863						
	2397239	3388010	4217657				QUA	NO	0.02708	0.67837	-0.01537	0.99788
83 Dibenzo(a,h)anthracene	3103	14387	30108	142825	816512	1253870						
	2106561	2975846	3706586				LNR	NO	0.07595	1.65963		0.99658
84 Benzo(g,h,i)perylene	1.34053	1.46625	1.32625	1.41696	1.30955	1.37706						
	1.58835	1.54930	1.57672				AVG	N\A		1.43900		7.67847
85 2-Picoline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

405007

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
86 N-Nitrosomethylethylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
87 Methyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
88 N-Nitrosodiethylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
89 Ethyl methanesulfonate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
90 Pentachloroethane	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
91 Acetophenone	2.73245	2.39403	2.26076	2.58482	2.14022	2.17692						
	2.10584	2.00388	1.92433				AVG	N\A		2.25814		11.82003
92 O-Toluidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

000508

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
94 N-Nitrosopiperidine	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
95 0,0,0-Triethylphosphorothio	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
96 Alpha,Alpha-Dimethylpheneth	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
97 Hexachloropropene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
98 2,6-Dichlorophenol	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
99 N-Nitrosodi-n-butylamine	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
100 p-Phenylenediamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
101 Isosafrole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
102 1,2,4,5-Tetrachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
103 Safrole	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
104 1,4-Naphthoquinone	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
105 m-Dinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
106 Pentachlorobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

000510

034696

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
107 2-Napthylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
108 2,3,4,6-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
109 1-Naphthylamine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
110 Thionazin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
111 5-Nitro-o-toluidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
112 Tetraethyldithiopyrophospha	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
113 Diallate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

000611

034697

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
114 Phorate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
115 sym-Trinitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
116 Phenacetin	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
117 Dimethoate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
118 Pentachloronitrobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
119 4-Aminobiphenyl	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
120 Pronamide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

000612

034698

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
121 Dinoseb	*****	*****	*****	*****	*****	*****						
	*****	*****	*****				AVG	N\A		0.000e+00		0.000e+00
122 Disulfoton	*****	*****	*****	*****	*****	*****						
	*****	*****	*****				AVG	N\A		0.000e+00		0.000e+00
123 Methyl parathion	*****	*****	*****	*****	*****	*****						
	*****	*****	*****				AVG	N\A		0.000e+00		0.000e+00
124 4-Nitroquinoline-1-oxide	*****	*****	*****	*****	*****	*****						
	*****	*****	*****				AVG	N\A		0.000e+00		0.000e+00
125 Parathion	*****	*****	*****	*****	*****	*****						
	*****	*****	*****				AVG	N\A		0.000e+00		0.000e+00
126 Metapyrilene	*****	*****	*****	*****	*****	*****						
	*****	*****	*****				AVG	N\A		0.000e+00		0.000e+00
127 Isodrin	*****	*****	*****	*****	*****	*****						
	*****	*****	*****				AVG	N\A		0.000e+00		0.000e+00

000513

034699

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
128 Aramite	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
129 p-(Dimethylamino)azobenzene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
130 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
131 Famphur	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
132 3,3'-Dimethyl benzidine	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
133 2-Acetylaminofluorene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
134 7,12-Dimethylbenz(a)anthrac	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

000514

034700

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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
135 Hexachlorophene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
136 3-Methyl cholanthrene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
137 Acrylamide	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
138 N-Nitrosopyrrolidine	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
139 Pthalic Acid & Anhydride	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
140 1,4-Dinitrobenzene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
141 Kepone	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00

000315

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
142 4,4Methylenebis2chloroanali	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
143 Tris2,3Dibromopropylphospha	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
144 Maleic Anhydride	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
145 1-Methylnapthalene	0.85984	0.75643	0.72683	0.77313	0.64246	0.63039						
	0.61867	0.58696	0.56344				AVG	N\A		0.68424		14.50135
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	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

000516

034702

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
149 3/4-Chlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
151 2,3-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
152 2,5-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
153 3,4-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
154 Dimethyl Benzyl Alcohol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
155 Benzaldehyde	+++++	+++++	+++++	72781	187655	221691						
	329294	489449	554266				LNR	NO	-0.52587	0.45589		0.99517
156 Caprolactam	+++++	3084	5032	31501	137211	182774						
	254802	320468	365357				QUA	NO	0.05900	4.31622	16.72989	0.99052

000516A
034703

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
157 Biphenyl	+++++	23088	36796	226716	904728	1180906						
	1653321	2419026	2786202				QUA	NO	-0.00360	1.10775	0.13282	0.99981
158 Atrazine	0.21545	0.18215	0.19727	0.22242	0.18453	0.17850						
	0.18019	0.17374	0.16550				AVG	N\A		0.18886		10.12346
159 Dicyclopentadiene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
169 Benzenethiol	+++++	+++++	+++++	2.56137	2.27537	2.25624						
	2.19090	2.16126	2.17547				AVG	N\A		2.27010		6.59677
170 Indene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
171 Quinoline	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
172 Methyl Chrysene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00

000517

034704

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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
173 Dibenz(a,h)acridine	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
174 1,4-Dioxane	379 / 176620	3748 / 297302	5139 / 365380	23606	111828	117937	QUA	NO	-0.05436	3.28120	-0.07436	0.99692
175 2,4and/or2,6-Diaminotoluene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
185 2,3and/or3,4 Diaminotoluene	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
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

000518

034705

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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	+++++	+++++	+++++	0.63310	0.58593	0.53003						
	0.51434	0.51504	0.48692				AVG	N\A		0.54423		10.02009

090549

034706

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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
187 2-3H Benzothiazolone	+++++ / 0.28360	+++++ / 0.26818	+++++ / 0.28548	0.31893	0.29434	0.29597	AVG	N\A		0.29109		5.79302
188 2-3H Benzothiazolethione	+++++ / 646327	+++++ / 1038982	+++++ / 1074360	31195	281439	372941	QUA	NO	0.09212	4.34143	-0.65410	0.99233
189 2-tet-Butyl-4-methylphenol	+++++ / 0.63050	+++++ / 0.59680	+++++ / 0.58361	0.78913	0.68340	0.66041	AVG	N\A		0.65731		11.36021
190 Methylbenzothiazole	+++++ / 0.51119	+++++ / 0.52034	+++++ / 0.49416	0.65920	0.59444	0.54019	AVG	N\A		0.55325		11.26944
191 2,3,4-Trichlorophenol	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
192 2,3,5,6-Tetrachlorophenol	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00
193 3,4,5-Trichlorophenol	+++++ / +++++	+++++ / +++++	+++++ / +++++	+++++	+++++	+++++	AVG	N\A		0.000e+00		0.000e+00

023300

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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									
194 Diphenyl Ether	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
195 2,5/2,4-Dichlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
196 2,3,4,5-Tetrachlorophenol	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
197 Dimethylformamide	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
198 4,4-Isopropylidene	+++++	+++++	+++++	+++++	+++++	+++++						
	+++++	+++++	+++++				AVG	N\A		0.000e+00		0.000e+00
$ 3 2-Fluorophenol	+++++	0.77895	0.74108	0.87688	0.81010	0.80535						
	0.83693	0.81231	0.77008				AVG	N\A		0.80396		5.20138
$ 4 Phenol-d5	+++++	2.10730	1.94031	2.24859	1.81253	1.82750						
	1.72115	1.61224	1.52609				AVG	N\A		1.84946		13.13655

000321

034708

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

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	+++++	0.44917	0.44891	0.48922	0.44698	0.44399						
	0.45192	0.43268	0.42649				AVG	N\A		0.44867		4.15045
$ 37 2-Fluorobiphenyl	+++++	1.38772	1.28444	1.46650	1.25616	1.23671						
	1.24279	1.23690	1.19127				AVG	N\A		1.28781		7.15757
$ 57 2,4,6-Tribromophenol	+++++	+++++	+++++	0.18236	0.18923	0.19304						
	0.18791	0.18855	0.18711				AVG	N\A		0.18803		1.84054
$ 70 Terphenyl-d14	+++++	1.15818	0.96889	1.16246	0.91962	0.88510						
	0.91302	0.90990	0.88586				AVG	N\A		0.97538		12.00081

223008

034709

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 20-NOV-2006 09:11
End Cal Date : 11-DEC-2006 07:00
Quant Method : ISTD
Target Version : 3.50
Integrator : HP RTE
Method file : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Cal Date : 21-Dec-2006 15:19 rlw

Global Auto Calibration Mode = AUTO CALIBRATE ONLY

Average %RSD Results.	
Calculated Average %RSD =	10.54338
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

000323

GCAL, Inc.

Data file : /var/chem/MSSV5.i/2061211.s.b/d4446.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 11-DEC-2006 04:41
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1100*4-55-15*
Misc Info : DFTPP*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/dftpp_05.m
Meth Date : 20-Nov-2006 07:33 jar3 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

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		
4.459	4.568	-0.109	198	261824		100.00- 100.00		100.00
4.459	4.568	-0.109	51	102688		30.00- 60.00		39.22
4.459	4.568	-0.109	68	1580		0.00- 2.00		1.53
4.459	4.568	-0.109	69	102968		0.00- 0.00		39.33
4.459	4.568	-0.109	70	792		0.00- 2.00		0.77
4.459	4.568	-0.109	127	121272		40.00- 60.00		46.32
4.459	4.568	-0.109	197	755		0.00- 1.00		0.29
4.459	4.568	-0.109	199	19800		5.00- 9.00		7.56
4.459	4.568	-0.109	275	63016		10.00- 30.00		24.07
4.459	4.568	-0.109	365	7096		1.00- 0.00		2.71
4.459	4.568	-0.109	441	33928		0.01- 99.99		74.47
4.459	4.568	-0.109	442	250624		40.00- 100.00		95.72

034711

RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.459	4.568	-0.109	443	45560			17.00- 23.00	18.18

Data File: /var/chem/MSSV5.i/2061211.s.b/d4446.d

Date : 11-DEC-2006 04:41

Client ID: DFTPP

Instrument: MSSV5.i

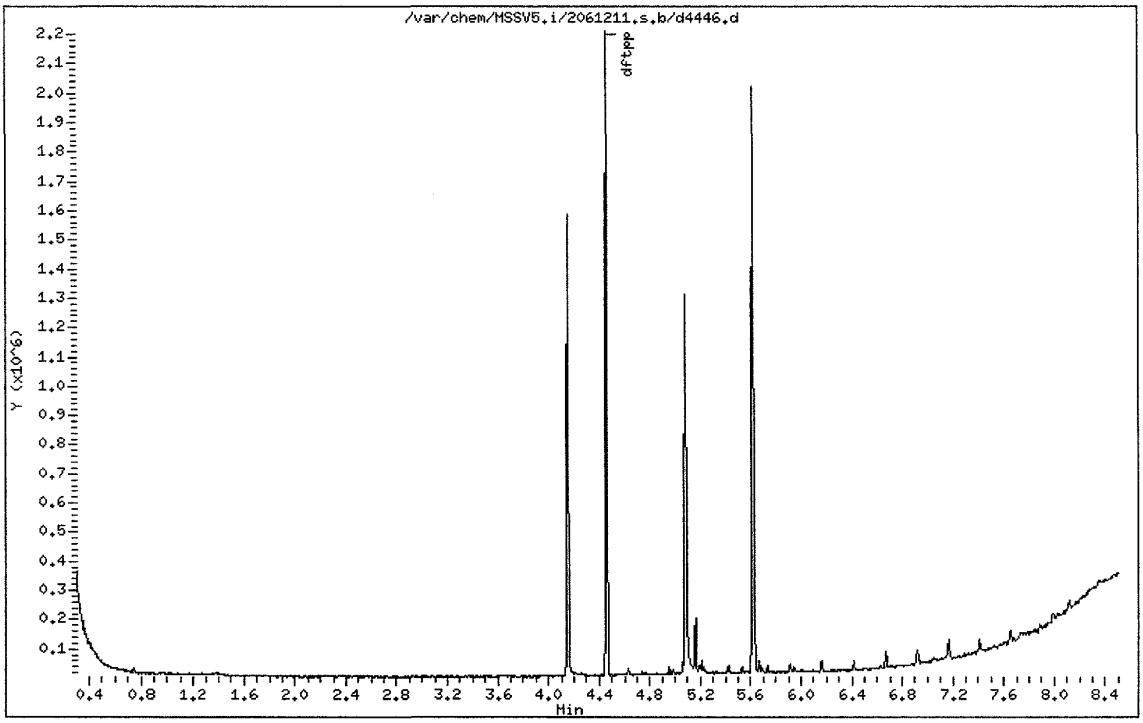
Sample Info: 1100x4-55-15x

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00



Data File: /var/chem/MSSV5.i/2061211.s.b/d4446.d

Date : 11-DEC-2006 04:41

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*4-55-15*

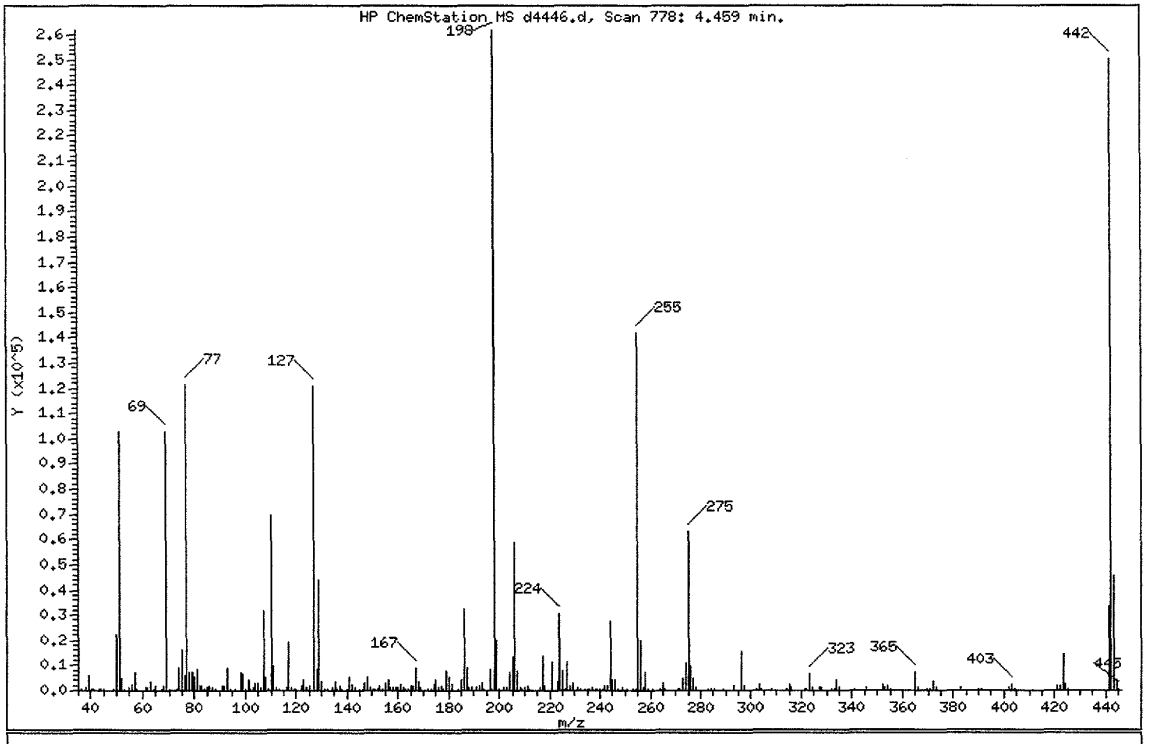
Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00

1 dftpp



m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
198	Base Peak, 100% relative abundance	100.00
51	30.00 - 60.00% of mass 198	39.22
68	Less than 2.00% of mass 69	0.60 (1.53)
69	Mass 69 relative abundance	39.33
70	Less than 2.00% of mass 69	0.30 (0.77)
127	40.00 - 60.00% of mass 198	46.32
197	Less than 1.00% of mass 198	0.29
199	5.00 - 9.00% of mass 198	7.56
275	10.00 - 30.00% of mass 198	24.07
365	Greater than 1.00% of mass 198	2.71
441	Present, but less than mass 443	12.96
442	40.00 - 100.00% of mass 198	95.72
443	17.00 - 23.00% of mass 442	17.40 (18.18)

Data File: /var/chem/MSSV5.i/2061211.s.b/d4446.d

Date : 11-DEC-2006 04:41

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*4-55-15*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d4446.d
Spectrum: HP ChemStation MS d4446.d, Scan 778: 4.459 min.
Location of Maximum: 198.00
Number of points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	877	117.00	19088	195.10	256	283.00	357
38.00	1229	118.00	1147	196.10	8266	284.00	535
39.10	5859	119.10	317	196.80	755	285.10	902
40.10	560	120.00	428	198.00	261824	286.10	217
41.00	673	121.10	195	199.00	19800	287.90	205
42.00	246	122.00	1901	200.00	781	289.20	374
43.10	481	123.00	4323	201.50	930	291.90	192
44.00	591	124.00	916	202.90	1207	293.00	1592
44.90	423	125.10	1842	204.10	6977	294.00	275
49.00	883	127.10	121272	205.00	13319	296.10	15539
50.10	22080	128.10	8338	206.10	59184	297.10	1630
51.10	102688	129.10	44080	207.10	7817	298.10	191
52.00	4527	130.00	3754	208.10	1377	301.10	173
53.00	313	131.00	521	209.00	588	301.90	381
54.10	151	132.10	438	210.00	1112	303.10	2362
55.00	1215	132.90	275	211.00	1990	304.00	604
56.00	2497	134.10	947	211.50	1309	308.00	475
57.10	7049	135.10	3518	212.10	481	308.80	163
58.00	412	136.00	888	214.60	164	309.80	153
59.80	206	137.10	1766	215.10	277	311.90	222
61.10	1061	137.90	669	216.00	1072	313.00	158
61.90	1032	139.10	178	217.00	13830	314.00	801
63.00	3729	139.90	707	217.90	1677	315.00	2273
64.00	689	141.00	5353	221.00	11727	316.00	1186
65.10	1992	142.00	2157	223.00	3761	317.10	281
65.90	246	142.90	1105	224.10	30424	319.00	156
67.00	359	144.20	287	225.10	7775	321.00	304
68.00	1580	145.00	379	226.10	775	322.10	482
69.00	102968	145.90	584	227.00	11676	323.10	6615
70.10	792	147.00	3247	228.00	1654	324.10	1478
71.10	297	148.00	5240	229.00	3130	327.00	1186
73.10	840	149.00	1057	230.00	269	328.00	991
74.10	9060	150.10	507	231.00	1257	332.10	842
75.10	16211	151.00	584	231.90	334	333.00	500
76.10	5851	151.90	467	232.70	158	334.00	3927

Data File: /var/chem/MSSV5.i/2061211.s.b/d4446.d

Date : 11-DEC-2006 04:41

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*4-55-15*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d4446.d
Spectrum: HP ChemStation MS d4446.d, Scan 778: 4.459 min.
Location of Maximum: 198.00
Number of points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
77.10	121664	153.00	1786	234.00	875	335.00	1059
78.10	7091	154.00	843	235.00	689	341.00	656
79.10	7473	155.10	2737	235.90	515	346.00	1067
80.00	5216	156.10	4344	237.00	1195	346.90	174
81.10	8630	157.10	928	238.00	307	350.10	173
82.00	2042	158.00	1222	239.00	555	352.10	2346
83.00	2031	159.10	1282	240.00	377	353.10	1132
84.10	374	160.00	1336	240.90	626	354.00	1720
85.10	1315	161.00	2198	242.00	1650	355.10	413
86.00	1846	162.10	1188	243.10	1753	365.00	7096
87.10	1241	163.10	308	244.10	27824	366.10	1147
88.00	489	164.20	510	245.00	3934	369.90	331
89.00	280	165.10	2095	246.00	4489	371.00	656
90.00	211	166.10	1751	247.10	813	372.00	3797
91.00	1823	167.10	9132	249.00	1372	373.10	941
92.00	1708	168.00	3674	249.90	172	383.00	937
93.00	9240	169.00	1149	251.00	330	384.10	184
94.00	798	171.00	278	252.20	212	389.90	332
95.00	288	172.00	838	253.00	350	391.10	444
96.00	585	173.10	706	254.00	707	392.10	260
96.90	292	174.00	2612	255.10	142016	401.00	287
98.10	7520	175.10	4246	256.10	19656	401.90	1398
99.00	6491	176.00	925	257.00	1456	403.00	2136
99.90	673	177.10	1708	258.00	6923	404.00	791
101.10	3998	177.90	415	259.00	855	410.00	184
102.10	368	179.00	7966	259.90	249	421.00	1544
103.00	1105	180.00	5536	261.00	370	422.00	1987
104.00	3039	181.10	2283	263.90	427	423.10	14185
105.10	2856	182.90	214	265.00	3228	424.10	2296
106.10	1103	183.90	464	265.80	617	424.90	365
107.10	31832	185.00	4346	271.00	312	441.10	33928
108.00	5136	186.10	32688	271.80	407	442.10	250624
109.00	411	187.10	8812	273.00	4679	443.10	45560
110.10	69600	188.10	940	274.00	11125	444.10	4394
111.10	9462	189.00	1271	275.00	63016	445.10	437

Data File: /var/chem/MSSV5.i/2061211.s.b/d4446.d

Date : 11-DEC-2006 04:41

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*4-55-15*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d4446.d

Spectrum: HP ChemStation MS d4446.d, Scan 778: 4.459 min.

Location of Maximum: 198.00

Number of points: 292

m/z	Y	m/z	Y	m/z	Y	m/z	Y
112.00	1148	191.00	1037	276.00	9900		
113.10	649	192.00	1933	277.00	4551		
114.20	184	193.10	3289	278.00	1204		
116.00	1275	194.10	705	281.10	158		

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4447.d
Lab Smp Id: 1205 Client Smp ID: STD050
Inj Date : 11-DEC-2006 04:56
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1205*4-68-1
Misc Info : STD050*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 10:37 jar3 Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.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	0.389	0.389	(0.269)	218504	50.0000	50.6
	1 n-Nitrosodimethylamine	42	0.384	0.384	(0.265)	71327	50.0000	46.8
$	3 2-Fluorophenol	112	0.678	0.678	(0.468)	240685	50.0000	50.4
$	4 Phenol-d5	99	1.256	1.256	(0.867)	538508	50.0000	49.0
	5 Aniline	93	1.218	1.218	(0.841)	410036	50.0000	43.9
	6 Phenol +	94	1.266	1.266	(0.874)	645016	50.0000	50.4
	7 bis(-2-Chloroethyl)Ether	63	1.272	1.272	(0.878)	440957	50.0000	49.8
	8 2-Chlorophenol	128	1.314	1.314	(0.908)	473058	50.0000	49.3
	9 1,3-Dichlorobenzene	146	1.400	1.400	(0.967)	554283	50.0000	49.4
*	10 1,4-Dichlorobenzene-d4	152	1.448	1.448	(1.000)	237683	40.0000	
	11 1,4-Dichlorobenzene +	146	1.459	1.459	(1.007)	559856	50.0000	49.8
	12 Benzyl alcohol	108	1.582	1.582	(1.092)	347599	50.0000	51.8
	13 1,2-Dichlorobenzene	146	1.560	1.560	(1.078)	533852	50.0000	49.4

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.689	1.689	(1.166)	486677	50.0000	48.7
	14 Bis(2-chloroisopropyl)ether	45	1.657	1.657	(1.144)	944181	50.0000	49.7
	17 3- & 4-Methylphenol	108	1.796	1.796	(1.240)	490377	50.0000	49.4
	16 N-Nitroso-di-n-propylamine++	70	1.753	1.753	(1.211)	408971	50.0000	42.5
	18 Hexachloroethane	117	1.780	1.780	(1.229)	213512	50.0000	48.6
$	19 Nitrobenzene-d5	82	1.839	1.839	(0.805)	519993	50.0000	49.8
	20 Nitrobenzene	77	1.849	1.849	(0.810)	602592	50.0000	50.5
	21 Isophorone	82	2.004	2.004	(0.878)	1043958	50.0000	48.6
	22 2-Nitrophenol +	139	2.052	2.052	(0.899)	254886	50.0000	50.8
	23 2,4-Dimethyphenol	107	2.122	2.122	(0.930)	511015	50.0000	51.2
	24 bis(-2-Chloroethoxy)methane	93	2.159	2.159	(0.946)	618468	50.0000	50.5
	25 Benzoic Acid	122	2.256	2.256	(0.988)	175670	50.0000	43.7
	26 2,4-Dichlorophenol +	162	2.224	2.224	(0.974)	353127	50.0000	52.4
	27 1,2,4-Trichlorobenzene	180	2.250	2.250	(0.986)	370279	50.0000	47.4
*	28 Naphthalene-d8	136	2.282	2.282	(1.000)	930671	40.0000	
	29 Naphthalene	128	2.293	2.293	(1.005)	1372566	50.0000	49.4
	30 4-Chloroaniline	127	2.352	2.352	(1.030)	331052	50.0000	49.7
	31 Hexachlorobutadiene +	225	2.379	2.379	(1.042)	231170	50.0000	48.2
	32 4-Chloro-3-Methylphenol +	107	2.694	2.694	(1.180)	418509	50.0000	49.8
	33 2-Methylnaphthalene	142	2.721	2.721	(1.192)	907900	50.0000	47.6
	145 1-Methylnapthalene	142	2.780	2.780	(1.218)	747397	50.0000	46.9
	34 Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.842)	190047	50.0000	48.5
	35 2,4,6-Trichlorophenol +	196	2.919	2.919	(0.872)	213064	50.0000	51.1
	36 2,4,5-Trichlorphenol	196	2.951	2.951	(0.882)	215093	50.0000	50.3
$	37 2-Fluorobiphenyl	172	2.951	2.951	(0.882)	751669	50.0000	48.8
	38 2-Chloronaphthalene	162	3.015	3.015	(0.901)	687809	50.0000	50.0
	39 2-Nitroaniline	138	3.101	3.101	(0.926)	259538	50.0000	52.3
	40 Dimethylphthalate	163	3.213	3.213	(0.960)	755119	50.0000	49.7
	41 2,6-Dinitrotoluene	165	3.251	3.251	(0.971)	194717	50.0000	51.9
	42 Acenaphthylene	152	3.261	3.261	(0.974)	849934	50.0000	46.6
	43 3-Nitroaniline	138	3.352	3.352	(1.002)	169697	50.0000	53.4
*	44 Acenaphthene-d10	164	3.347	3.347	(1.000)	478710	40.0000	
	45 Acenaphthene +	153	3.368	3.368	(1.006)	779027	50.0000	49.5
	46 2,4-Dinitrophenol ++	184	3.422	3.422	(1.022)	107899	50.0000	48.9(M1)
	49 4-Nitrophenol ++	109	3.513	3.513	(1.050)	108623	50.0000	51.0
	47 Dibenzofuran	168	3.475	3.475	(1.038)	1016944	50.0000	49.5
	48 2,4-Dinitrotoluene	165	3.491	3.491	(1.043)	253635	50.0000	51.6
	50 Diethylphthalate	149	3.641	3.641	(1.088)	767205	50.0000	50.0
	52 4-Chlorophenyl-phenylether	204	3.689	3.689	(1.102)	347816	50.0000	48.6
	51 Fluorene	166	3.678	3.678	(1.099)	834929	50.0000	49.3
	53 4-Nitroaniline	138	3.727	3.727	(1.113)	164267	50.0000	44.3
	54 4,6-Dinitro-o-cresol	198	3.743	3.743	(0.882)	144184	50.0000	48.3
	55 N-nitrosodiphenylamine (1)+	169	3.769	3.769	(0.888)	549176	50.0000	49.0
	56 Azobenzene	77	3.785	3.785	(0.892)	951009	50.0000	49.2
$	57 2,4,6-Tribromophenol	332	3.834	3.834	(1.145)	113230	50.0000	50.3
	58 4-Bromophenyl-phenylether	248	3.983	3.983	(0.938)	192865	50.0000	48.7
	59 Hexachlorobenzene	284	4.015	4.015	(0.946)	233774	50.0000	47.9

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.154	4.154	(0.979)	141567	50.0000	47.9
*	61 Phenanthrene-d10	188	4.245	4.245	(1.000)	733662	40.0000	
	62 Phenanthrene	178	4.261	4.261	(1.004)	1116530	50.0000	49.4
	63 Anthracene	178	4.288	4.288	(1.010)	1104148	50.0000	48.4
	64 Carbazole	167	4.406	4.406	(1.038)	880018	50.0000	48.0
	65 Di-n-butylphthalate	149	4.630	4.630	(1.091)	1199277	50.0000	49.7
	67 Fluoranthene +	202	4.978	4.978	(1.173)	988238	50.0000	47.1
	68 Benzidine	184	5.128	5.128	(0.862)	8212	50.0000	6.98(aM1)
	69 Pyrene	202	5.112	5.112	(0.860)	1018151	50.0000	47.9
$	70 Terphenyl-d14	244	5.230	5.230	(0.879)	612289	50.0000	47.1
	71 Butylbenzylphthalate	149	5.572	5.572	(0.937)	482684	50.0000	47.8
	73 3,3'-Dichlorobenzidine	252	5.941	5.941	(0.999)	258265	50.0000	48.5
	72 Benzo(a)anthracene	228	5.936	5.936	(0.998)	883040	50.0000	51.2
*	74 Chrysene-d12	240	5.946	5.946	(1.000)	532648	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.005	6.005	(1.010)	639306	50.0000	48.0
	75 Chrysene	228	5.962	5.962	(1.003)	818246	50.0000	48.0
	77 Di-n-octylphthalate +	149	6.503	6.503	(1.094)	1131500	50.0000	51.1
	78 Benzo(b)fluoranthene	252	6.743	6.743	(0.961)	927692	50.0000	54.0
	79 Benzo(k)fluoranthene	252	6.765	6.765	(0.964)	957652	50.0000	46.2
	80 Benzo(a)pyrene +	252	6.979	6.979	(0.995)	762123	50.0000	45.9
*	81 Perylene-d12	264	7.016	7.016	(1.000)	487452	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.759	7.759	(1.305)	937351	50.0000	46.9
	83 Dibenzo(a,h)anthracene	278	7.770	7.770	(1.107)	816512	50.0000	43.4
	84 Benzo(g,h,i)perylene	276	7.925	7.925	(1.130)	797929	50.0000	45.5
M	66 Total Methylphenol	108				977054	100.000	98.1
	91 Acetophenone	105	1.742	1.742	(1.203)	635868	50.0000	47.4
	155 Benzaldehyde	77	1.116	1.116	(0.771)	187655	50.0000	48.2
	156 Caprolactam	113	2.593	2.593	(1.136)	137211	50.0000	42.4
	157 Biphenyl	154	3.010	3.010	(1.319)	904728	50.0000	48.0
	158 Atrazine	200	4.117	4.117	(0.970)	169231	50.0000	48.9
	174 1,4-Dioxane	88	0.341	0.341	(0.235)	111828	50.0000	58.9

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.

Data File: /var/chem/MSSV5.i/2061211.s.b/d4447.d

Date : 11-DEC-2006 04:56

Client ID: STD050

Instrument: MSSV5.i

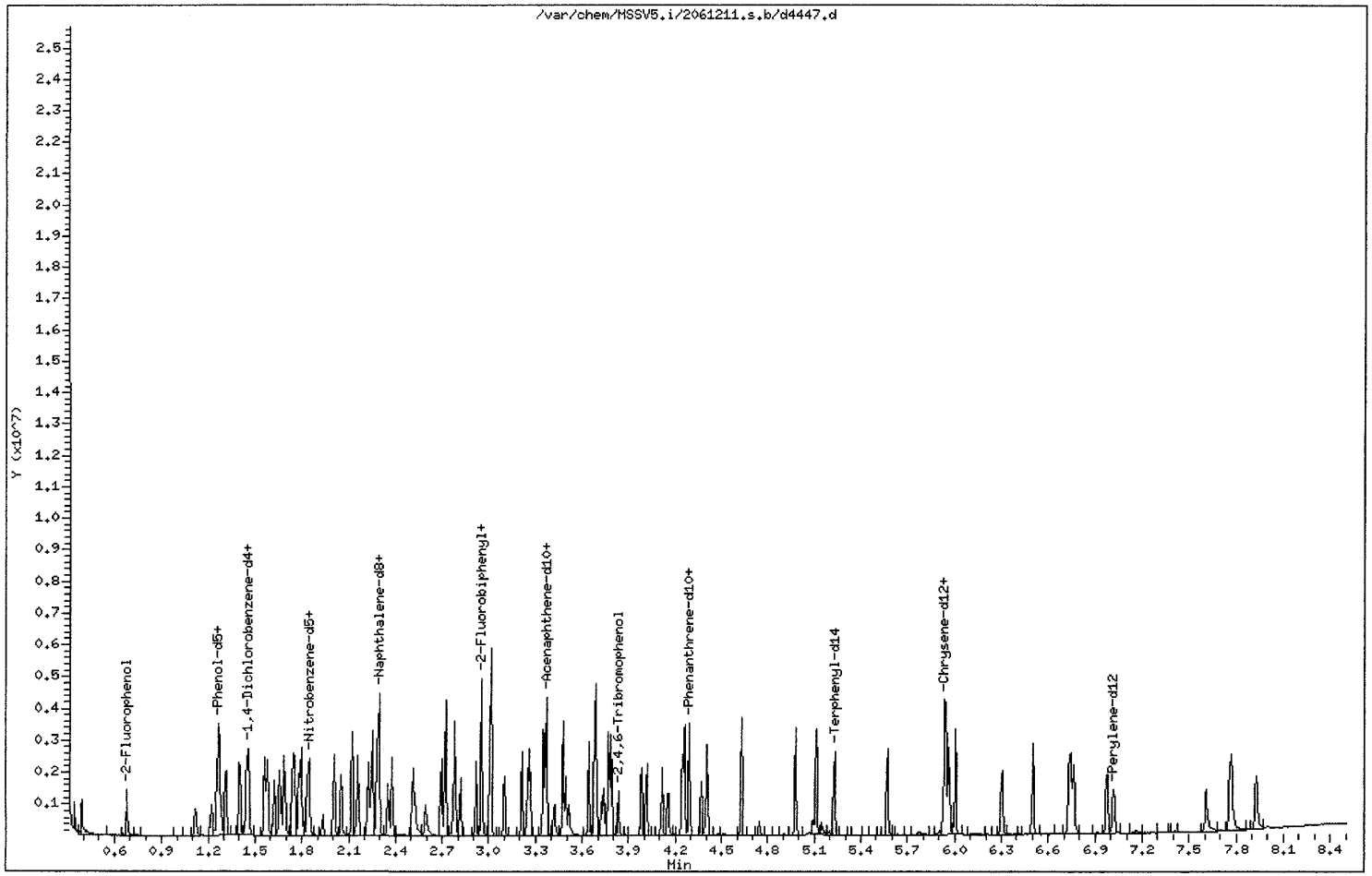
Sample Info: 1205x4-68-1

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

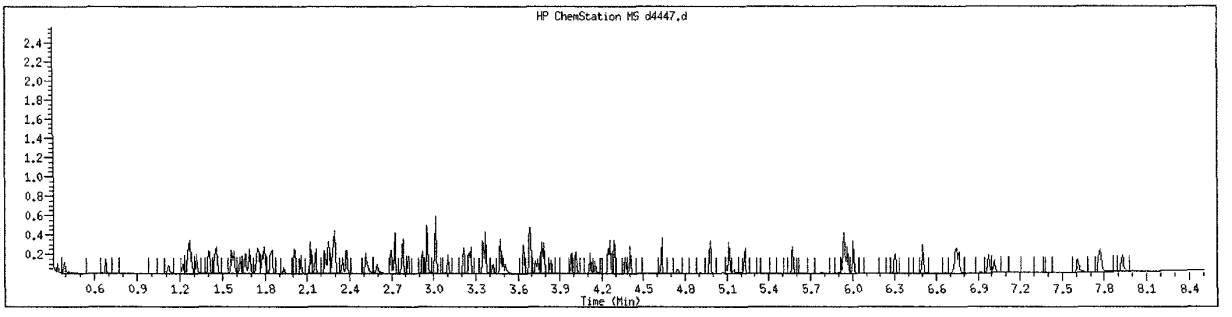
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4447.d Page: 1
Report Date: 12/11/2006 10:37

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1205 SampleType : CALIB_5
Injection Date: 11-DEC-2006 04:56 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1205*4-68-1
Misc Info : STD050*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

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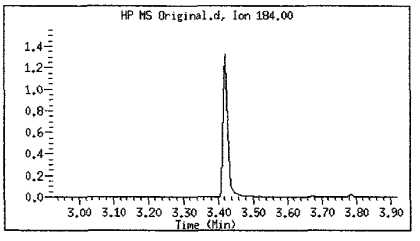
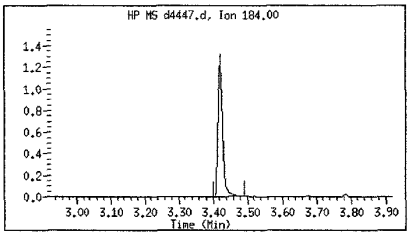
46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 06:48



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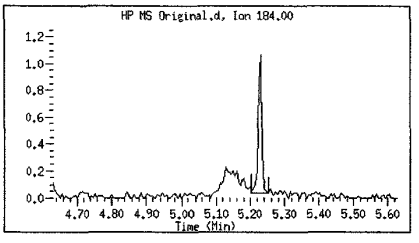
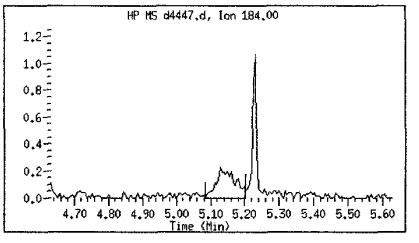
68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 06:48



000635

034722

M1- Compound response manually integrated because
Target system did not integrate.

034723

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4448.d
Lab Smp Id: 1204 Client Smp ID: STD010
Inj Date : 11-DEC-2006 05:16
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1204*4-68-2
Misc Info : STD010*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 07:32 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:32 Cal File: d4281.d
Als bottle: 3 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.389	0.389	(0.270)	54996	10.0000	15.9
	1 n-Nitrosodimethylamine	42	0.384	0.384	(0.266)	12773	10.0000	8.78(a)
$	3 2-Fluorophenol	112	0.678	0.678	(0.470)	48039	10.0000	11.4
$	4 Phenol-d5	99	1.250	1.250	(0.867)	123187	10.0000	12.3
	5 Aniline	93	1.218	1.218	(0.844)	116440	10.0000	11.1
	6 Phenol +	94	1.261	1.261	(0.874)	149425	10.0000	12.8
	7 bis(-2-Chloroethyl)Ether	63	1.266	1.266	(0.878)	97404	10.0000	12.0
	8 2-Chlorophenol	128	1.309	1.309	(0.907)	104419	10.0000	11.7
	9 1,3-Dichlorobenzene	146	1.400	1.400	(0.970)	117862	10.0000	11.5
*	10 1,4-Dichlorobenzene-d4	152	1.443	1.443	(1.000)	219136	40.0000	
	11 1,4-Dichlorobenzene +	146	1.453	1.453	(1.007)	120629	10.0000	11.6
	12 Benzyl alcohol	108	1.576	1.576	(1.093)	66539	10.0000	10.8
	13 1,2-Dichlorobenzene	146	1.560	1.560	(1.082)	115077	10.0000	11.7

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.683	1.683	(1.167)	110397	10.0000	12.3
	14 Bis(2-chloroisopropyl)ether	45	1.657	1.657	(1.148)	207576	10.0000	12.5
	17 3- & 4-Methylphenol	108	1.790	1.790	(1.241)	115224	10.0000	13.1
	16 N-Nitroso-di-n-propylamine++	70	1.748	1.748	(1.211)	96985	10.0000	13.2
	18 Hexachloroethane	117	1.780	1.780	(1.234)	48392	10.0000	12.4
$	19 Nitrobenzene-d5	82	1.833	1.833	(0.805)	112123	10.0000	11.5
	20 Nitrobenzene	77	1.844	1.844	(0.810)	132211	10.0000	11.8
	21 Isophorone	82	1.999	1.999	(0.878)	245016	10.0000	12.0
	22 2-Nitrophenol +	139	2.052	2.052	(0.901)	56564	10.0000	11.6
	23 2,4-Dimethyphenol	107	2.117	2.117	(0.930)	117885	10.0000	12.1
	24 bis(-2-Chloroethoxy)methane	93	2.154	2.154	(0.946)	139651	10.0000	11.8
	25 Benzoic Acid	122	2.208	2.208	(0.969)	37739	10.0000	10.3
	26 2,4-Dichlorophenol +	162	2.224	2.224	(0.977)	78187	10.0000	11.5
	27 1,2,4-Trichlorobenzene	180	2.250	2.250	(0.988)	84487	10.0000	10.7
*	28 Naphthalene-d8	136	2.277	2.277	(1.000)	916758	40.0000	
	29 Naphthalene	128	2.288	2.288	(1.005)	320873	10.0000	11.7
	30 4-Chloroaniline	127	2.347	2.347	(1.031)	88427	10.0000	11.9
	31 Hexachlorobutadiene +	225	2.373	2.373	(1.042)	50472	10.0000	10.4
	32 4-Chloro-3-Methylphenol +	107	2.684	2.684	(1.179)	94094	10.0000	12.4
	33 2-Methylnaphthalene	142	2.721	2.721	(1.195)	213068	10.0000	11.7
	145 1-Methylnapthalene	142	2.775	2.775	(1.218)	177194	10.0000	12.0
	34 Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.842)	25520	10.0000	12.5
	35 2,4,6-Trichlorophenol +	196	2.914	2.914	(0.871)	47231	10.0000	11.1
	36 2,4,5-Trichlorphenol	196	2.946	2.946	(0.880)	49424	10.0000	11.3
$	37 2-Fluorobiphenyl	172	2.951	2.951	(0.882)	180180	10.0000	11.1
	38 2-Chloronaphthalene	162	3.010	3.010	(0.899)	165172	10.0000	11.6
	39 2-Nitroaniline	138	3.095	3.095	(0.925)	60972	10.0000	12.7
	40 Dimethylphthalate	163	3.208	3.208	(0.958)	174691	10.0000	11.6(M1)
	41 2,6-Dinitrotoluene	165	3.245	3.245	(0.970)	43478	10.0000	11.8
	42 Acenaphthylene	152	3.261	3.261	(0.974)	224352	10.0000	11.5
	43 3-Nitroaniline	138	3.352	3.352	(1.002)	39939	10.0000	12.5
*	44 Acenaphthene-d10	164	3.347	3.347	(1.000)	491456	40.0000	
	45 Acenaphthene +	153	3.363	3.363	(1.005)	192577	10.0000	11.9
	46 2,4-Dinitrophenol ++	184	3.422	3.422	(1.022)	17268	10.0000	8.03(aM1)
	49 4-Nitrophenol ++	109	3.518	3.518	(1.051)	21254	10.0000	11.1
	47 Dibenzofuran	168	3.475	3.475	(1.038)	242643	10.0000	11.5
	48 2,4-Dinitrotoluene	165	3.491	3.491	(1.043)	57652	10.0000	12.3
	50 Diethylphthalate	149	3.636	3.636	(1.086)	178462	10.0000	12.1
	52 4-Chlorophenyl-phenylether	204	3.689	3.689	(1.102)	83383	10.0000	11.3
	51 Fluorene	166	3.678	3.678	(1.099)	199639	10.0000	11.8
	53 4-Nitroaniline	138	3.721	3.721	(1.112)	41947	10.0000	13.4
	54 4,6-Dinitro-o-cresol	198	3.737	3.737	(0.880)	27241	10.0000	9.32(a)
	55 N-nitrosodiphenylamine (1)+	169	3.764	3.764	(0.887)	126982	10.0000	11.3
	56 Azobenzene	77	3.785	3.785	(0.892)	219740	10.0000	11.8
$	57 2,4,6-Tribromophenol	332	3.834	3.834	(1.145)	22405	10.0000	9.67(a)
	58 4-Bromophenyl-phenylether	248	3.983	3.983	(0.938)	44090	10.0000	10.7
	59 Hexachlorobenzene	284	4.010	4.010	(0.945)	50820	10.0000	10.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.149	4.149	(0.977)	24024	10.0000	8.17(a)
*	61 Phenanthrene-d10	188	4.245	4.245	(1.000)	743036	40.0000	
	62 Phenanthrene	178	4.256	4.256	(1.003)	253330	10.0000	11.1
	63 Anthracene	178	4.288	4.288	(1.010)	261621	10.0000	11.6
	64 Carbazole	167	4.406	4.406	(1.038)	209771	10.0000	11.8
	65 Di-n-butylphthalate	149	4.630	4.630	(1.091)	275470	10.0000	12.4
	67 Fluoranthene +	202	4.978	4.978	(1.173)	236435	10.0000	11.7
	68 Benzidine	184	5.090	5.090	(0.857)	14901	10.0000	27.9
	69 Pyrene	202	5.112	5.112	(0.860)	233248	10.0000	12.3
$	70 Terphenyl-d14	244	5.230	5.230	(0.880)	139209	10.0000	11.9
	71 Butylbenzylphthalate	149	5.566	5.566	(0.937)	106330	10.0000	13.3
	73 3,3'-Dichlorobenzidine	252	5.936	5.936	(0.999)	53738	10.0000	12.1
	72 Benzo(a)anthracene	228	5.936	5.936	(0.999)	172686	10.0000	11.5
*	74 Chrysene-d12	240	5.941	5.941	(1.000)	479014	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.005	6.005	(1.011)	135502	10.0000	13.1
	75 Chrysene	228	5.957	5.957	(1.003)	173551	10.0000	11.0
	77 Di-n-octylphthalate +	149	6.497	6.497	(1.094)	218044	10.0000	12.5
	78 Benzo(b)fluoranthene	252	6.738	6.738	(0.960)	150866	10.0000	11.1
	79 Benzo(k)fluoranthene	252	6.759	6.759	(0.963)	197885	10.0000	12.1
	80 Benzo(a)pyrene +	252	6.979	6.979	(0.995)	143274	10.0000	12.2
*	81 Perylene-d12	264	7.016	7.016	(1.000)	408214	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.759	7.759	(1.306)	174311	10.0000	10.1
	83 Dibenzo(a,h)anthracene	278	7.770	7.770	(1.107)	142825	10.0000	11.4
	84 Benzo(g,h,i)perylene	276	7.931	7.931	(1.130)	144606	10.0000	9.64(a)
M	66 Total Methylphenol	108				225621	20.0000	25.4
	91 Acetophenone	105	1.737	1.737	(1.204)	141607	10.0000	11.9
	155 Benzaldehyde	77	1.116	1.116	(0.774)	72781	10.0000	20.7
	156 Caprolactam	113	2.566	2.566	(1.127)	31501	10.0000	10.0
	157 Biphenyl	154	3.004	3.004	(1.319)	226716	10.0000	11.3
	158 Atrazine	200	4.112	4.112	(0.969)	41316	10.0000	11.9
	174 1,4-Dioxane	88	0.341	0.341	(0.236)	23606	10.0000	13.6

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.

Data File: /var/chem/MSSV5.i/2061211.s.b/d4448.d

Page 1

Date : 11-DEC-2006 05:16

Client ID: STD010

Instrument: MSSV5.i

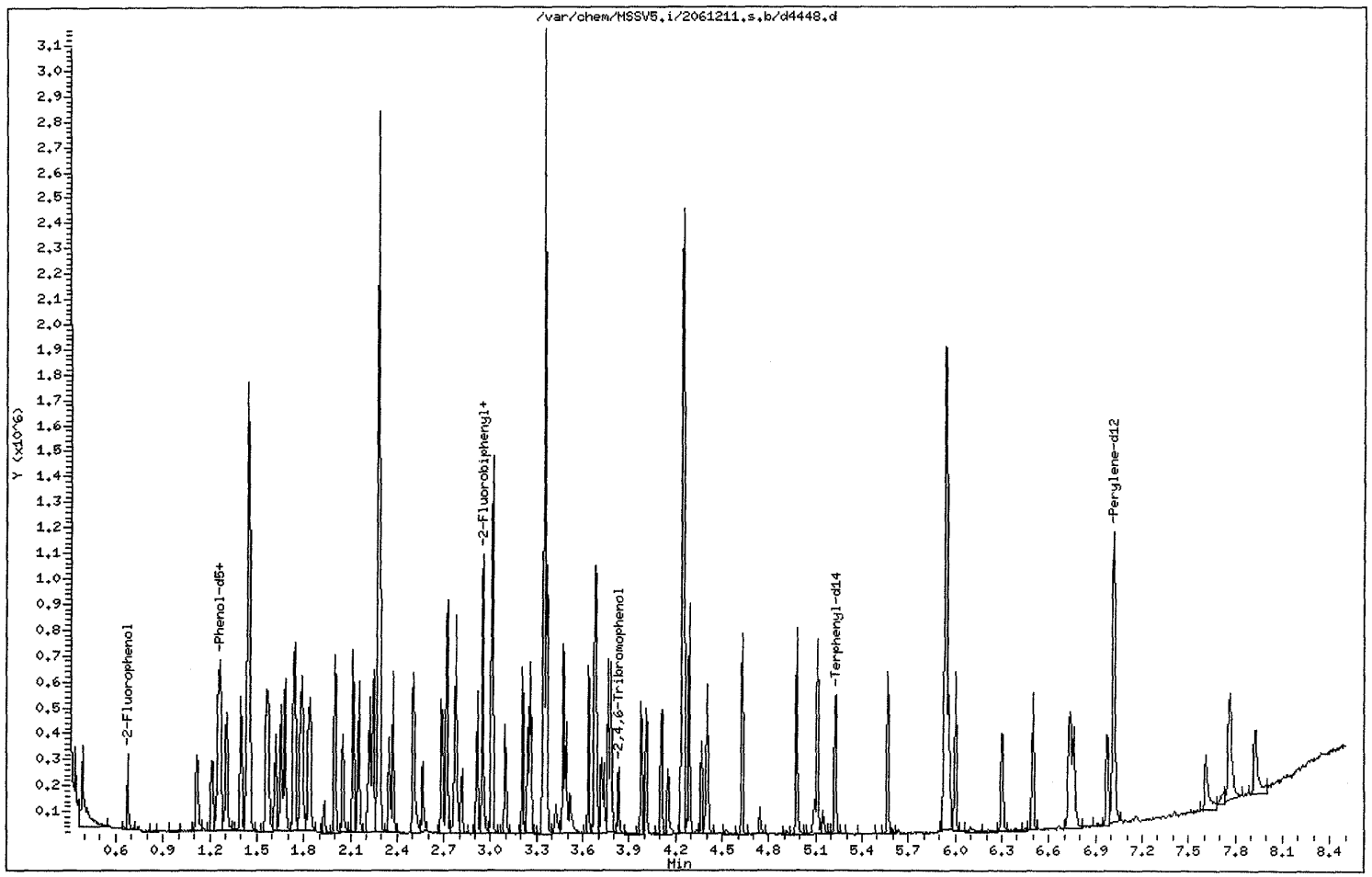
Sample Info: 1204*4-68-2

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



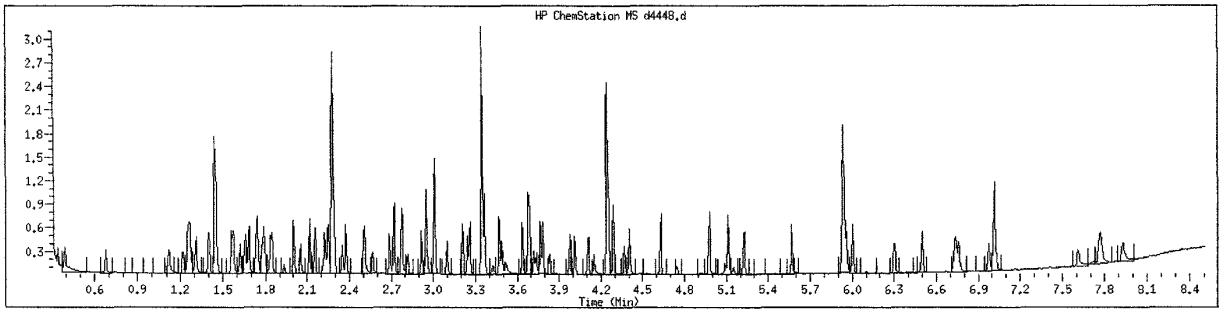
0006394

034727

Data file : /var/chem/MSSV5.i/2061211.s.b/d4448.d Page: 1
Report Date: 12/11/2006 07:32

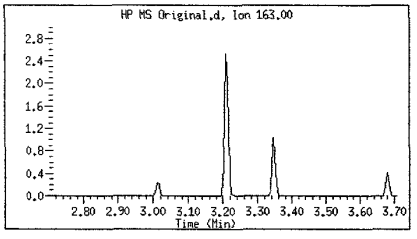
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1204 SampleType : CALIB_4
Injection Date: 11-DEC-2006 05:16 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1204*4-68-2
Misc Info : STD010*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



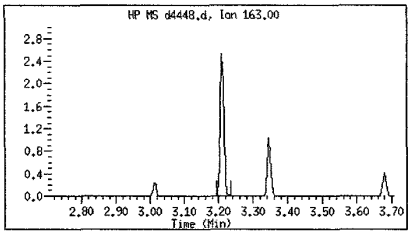
Original Final

40 Dimethylphthalate CAS#: 131-11-3 Reason: M1

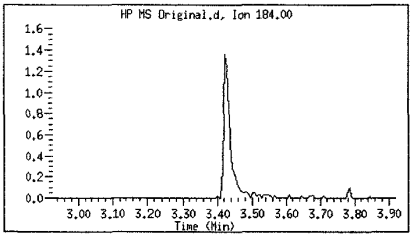


Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 06:52

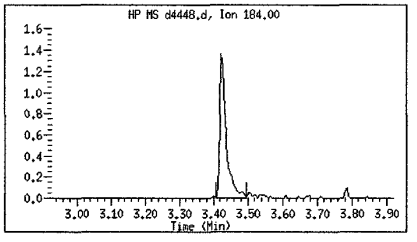


46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 06:52



000340

034728

M1- Compound response manually integrated because
Target system did not integrate.

034729

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4449.d
Lab Smp Id: 1206 Client Smp ID: STD080
Inj Date : 11-DEC-2006 05:31
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1206*4-68-3
Misc Info : STD080*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 07:32 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:47 Cal File: d4282.d
Als bottle: 4 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.389	0.389	(0.269)	214727	80.0000	72.3
	1 n-Nitrosodimethylamine	42	0.384	0.384	(0.265)	57728	80.0000	44.5
$	3 2-Fluorophenol	112	0.678	0.678	(0.468)	308002	80.0000	83.0
$	4 Phenol-d5	99	1.255	1.255	(0.867)	698920	80.0000	79.9
	5 Aniline	93	1.218	1.218	(0.841)	515866	80.0000	59.5
	6 Phenol +	94	1.266	1.266	(0.874)	841202	80.0000	82.0
	7 bis(-2-Chloroethyl)Ether	63	1.272	1.272	(0.878)	563727	80.0000	79.1
	8 2-Chlorophenol	128	1.314	1.314	(0.908)	609327	80.0000	78.2
	9 1,3-Dichlorobenzene	146	1.405	1.405	(0.970)	712383	80.0000	79.7
*	10 1,4-Dichlorobenzene-d4	152	1.448	1.448	(1.000)	191223	40.0000	
	11 1,4-Dichlorobenzene +	146	1.459	1.459	(1.007)	707989	80.0000	78.2
	12 Benzyl alcohol	108	1.582	1.582	(1.092)	463018	80.0000	85.0
	13 1,2-Dichlorobenzene	146	1.560	1.560	(1.078)	683272	80.0000	79.2

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	15 2-Methylphenol	108	1.689	1.689	(1.166)	643875	80.0000	81.3
	14 Bis(2-chloroisopropyl)ether	45	1.662	1.662	(1.148)	1217683	80.0000	82.9
	17 3- & 4-Methylphenol	108	1.796	1.796	(1.240)	645023	80.0000	82.4
	16 N-Nitroso-di-n-propylamine++	70	1.758	1.758	(1.214)	538388	80.0000	83.1
	18 Hexachloroethane	117	1.780	1.780	(1.229)	278636	80.0000	80.7
$	19 Nitrobenzene-d5	82	1.838	1.838	(0.805)	680951	80.0000	83.8
	20 Nitrobenzene	77	1.849	1.849	(0.810)	767692	80.0000	81.6
	21 Isophorone	82	2.010	2.010	(0.880)	1378615	80.0000	79.9
	22 2-Nitrophenol +	139	2.052	2.052	(0.899)	337713	80.0000	82.9
	23 2,4-Dimethyphenol	107	2.122	2.122	(0.930)	682370	80.0000	82.9
	24 bis(-2-Chloroethoxy)methane	93	2.159	2.159	(0.946)	800801	80.0000	80.9
	25 Benzoic Acid	122	2.266	2.266	(0.993)	279842	80.0000	86.9
	26 2,4-Dichlorophenol +	162	2.224	2.224	(0.974)	450164	80.0000	78.8
	27 1,2,4-Trichlorobenzene	180	2.250	2.250	(0.986)	483655	80.0000	73.8
*	28 Naphthalene-d8	136	2.282	2.282	(1.000)	766852	40.0000	
	29 Naphthalene	128	2.293	2.293	(1.005)	1786915	80.0000	77.9
	30 4-Chloroaniline	127	2.352	2.352	(1.030)	417560	80.0000	68.7
	31 Hexachlorobutadiene +	225	2.379	2.379	(1.042)	302222	80.0000	74.9
	32 4-Chloro-3-Methylphenol +	107	2.694	2.694	(1.180)	553640	80.0000	86.2
	33 2-Methylnaphthalene	142	2.721	2.721	(1.192)	1185937	80.0000	77.3
	145 1-Methylnapthalene	142	2.780	2.780	(1.218)	966837	80.0000	77.7
	34 Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.842)	270301	80.0000	75.3
	35 2,4,6-Trichlorophenol +	196	2.919	2.919	(0.872)	281721	80.0000	82.6
	36 2,4,5-Trichlorphenol	196	2.951	2.951	(0.882)	291717	80.0000	83.2
$	37 2-Fluorobiphenyl	172	2.956	2.956	(0.883)	980249	80.0000	75.0
	38 2-Chloronaphthalene	162	3.021	3.021	(0.902)	888754	80.0000	77.8
	39 2-Nitroaniline	138	3.101	3.101	(0.926)	342351	80.0000	87.5
	40 Dimethylphthalate	163	3.218	3.218	(0.962)	992009	80.0000	81.3
	41 2,6-Dinitrotoluene	165	3.251	3.251	(0.971)	255930	80.0000	85.2
	42 Acenaphthylene	152	3.261	3.261	(0.974)	1124814	80.0000	72.9
	43 3-Nitroaniline	138	3.357	3.357	(1.003)	207380	80.0000	80.6
*	44 Acenaphthene-d10	164	3.347	3.347	(1.000)	396314	40.0000	
	45 Acenaphthene +	153	3.368	3.368	(1.006)	993157	80.0000	76.4
	46 2,4-Dinitrophenol ++	184	3.422	3.422	(1.022)	169439	80.0000	94.4
	49 4-Nitrophenol ++	109	3.513	3.513	(1.050)	151063	80.0000	93.4
	47 Dibenzofuran	168	3.475	3.475	(1.038)	1326055	80.0000	77.9
	48 2,4-Dinitrotoluene	165	3.497	3.497	(1.045)	336158	80.0000	87.2
	50 Diethylphthalate	149	3.646	3.646	(1.089)	1020894	80.0000	84.6
	52 4-Chlorophenyl-phenylether	204	3.689	3.689	(1.102)	449737	80.0000	76.2
	51 Fluorene	166	3.684	3.684	(1.101)	1084864	80.0000	79.4
	53 4-Nitroaniline	138	3.732	3.732	(1.115)	223424	80.0000	87.2
	54 4,6-Dinitro-o-cresol	198	3.748	3.748	(0.883)	210779	80.0000	85.5
	55 N-nitrosodiphenylamine (1)+	169	3.775	3.775	(0.889)	740526	80.0000	79.7
	56 Azobenzene	77	3.785	3.785	(0.892)	1280506	80.0000	82.5
$	57 2,4,6-Tribromophenol	332	3.839	3.839	(1.147)	153012	80.0000	80.9
	58 4-Bromophenyl-phenylether	248	3.983	3.983	(0.938)	250646	80.0000	74.2
	59 Hexachlorobenzene	284	4.015	4.015	(0.946)	310972	80.0000	75.5

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.154	4.154	(0.979)	202569	80.0000	82.6
*	61 Phenanthrene-d10	188	4.245	4.245	(1.000)	614809	40.0000	
	62 Phenanthrene	178	4.261	4.261	(1.004)	1453772	80.0000	77.4
	63 Anthracene	178	4.293	4.293	(1.011)	1460067	80.0000	78.7
	64 Carbazole	167	4.406	4.406	(1.038)	1193490	80.0000	80.9
	65 Di-n-butylphthalate	149	4.630	4.630	(1.091)	1606557	80.0000	86.2
	67 Fluoranthene +	202	4.978	4.978	(1.173)	1399841	80.0000	83.4
	68 Benzidine	184	5.144	5.144	(0.865)	12119	80.0000	23.2(M1)
	69 Pyrene	202	5.117	5.117	(0.861)	1446231	80.0000	72.6
$	70 Terphenyl-d14	244	5.230	5.230	(0.879)	890742	80.0000	72.3
	71 Butylbenzylphthalate	149	5.572	5.572	(0.937)	724779	80.0000	85.1
	73 3,3'-Dichlorobenzidine	252	5.941	5.941	(0.999)	389350	80.0000	83.1
	72 Benzo(a)anthracene	228	5.936	5.936	(0.998)	1303890	80.0000	78.5
*	74 Chrysene-d12	240	5.946	5.946	(1.000)	503190	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.005	6.005	(1.010)	974689	80.0000	90.7
	75 Chrysene	228	5.962	5.962	(1.003)	1249309	80.0000	76.2
	77 Di-n-octylphthalate +	149	6.503	6.503	(1.094)	1701608	80.0000	90.9
	78 Benzo(b)fluoranthene	252	6.749	6.749	(0.962)	1222951	80.0000	80.3
	79 Benzo(k)fluoranthene	252	6.765	6.765	(0.964)	1562630	80.0000	87.1
	80 Benzo(a)pyrene +	252	6.979	6.979	(0.995)	1119911	80.0000	88.5
*	81 Perylene-d12	264	7.016	7.016	(1.000)	443274	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.765	7.765	(1.306)	1440863	80.0000	73.6
	83 Dibenzo(a,h)anthracene	278	7.775	7.775	(1.108)	1253870	80.0000	74.0
	84 Benzo(g,h,i)perylene	276	7.931	7.931	(1.130)	1220832	80.0000	76.6
M	66 Total Methylphenol	108				1288898	160.000	164
	91 Acetophenone	105	1.748	1.748	(1.207)	832553	80.0000	79.3
	155 Benzaldehyde	77	1.116	1.116	(0.771)	221691	80.0000	71.7
	156 Caprolactam	113	2.603	2.603	(1.141)	182774	80.0000	83.9
	157 Biphenyl	154	3.015	3.015	(1.321)	1180906	80.0000	78.6
	158 Atrazine	200	4.117	4.117	(0.970)	219481	80.0000	77.5
	174 1,4-Dioxane	88	0.341	0.341	(0.235)	117937	80.0000	71.1

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.

Data File: /var/chem/MSSV5.i/2061211.s.b/d4449.d

Date : 11-DEC-2006 05:31

Client ID: STD080

Instrument: MSSV5.i

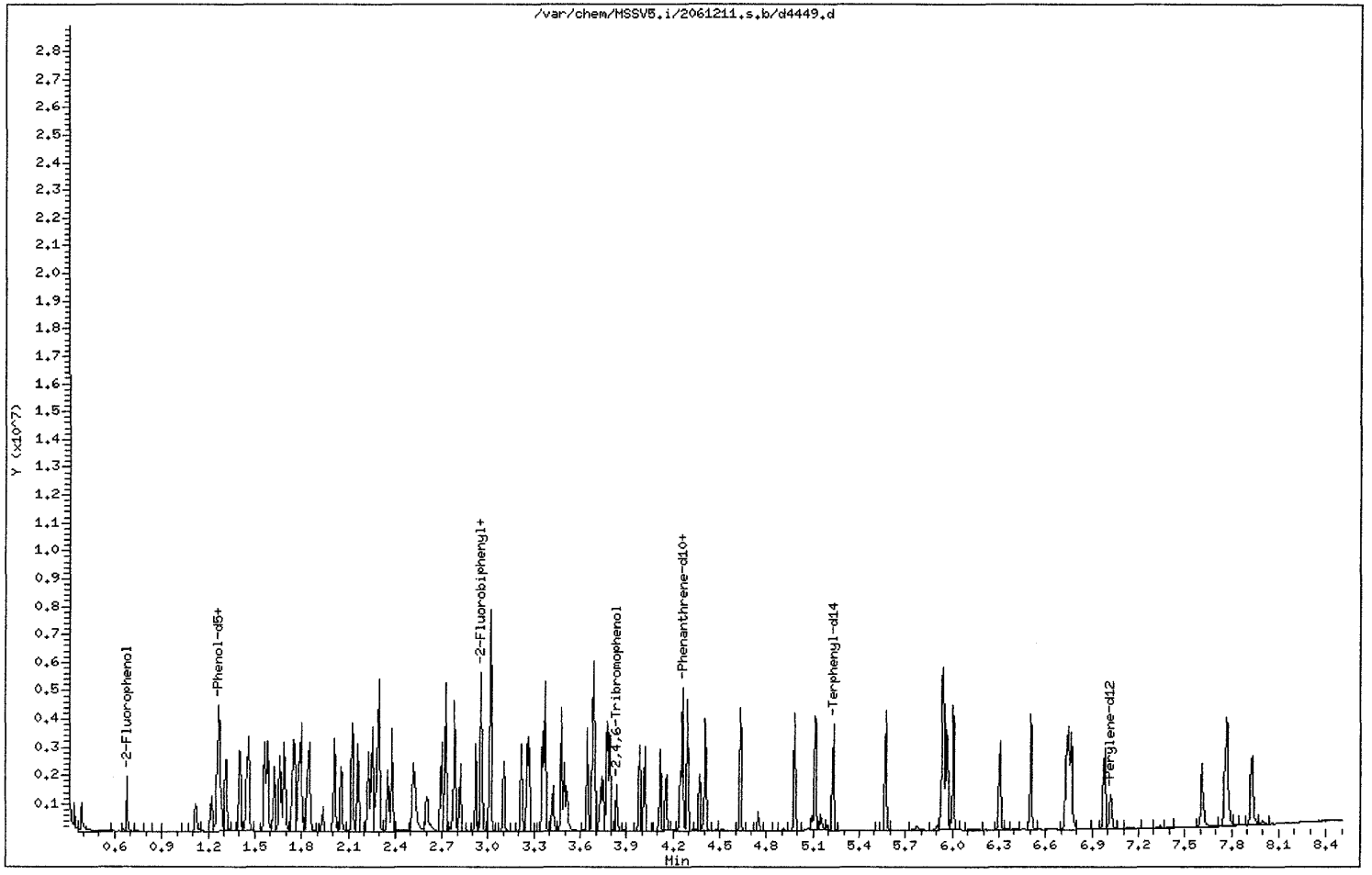
Sample Info: 1206%4-68-3

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

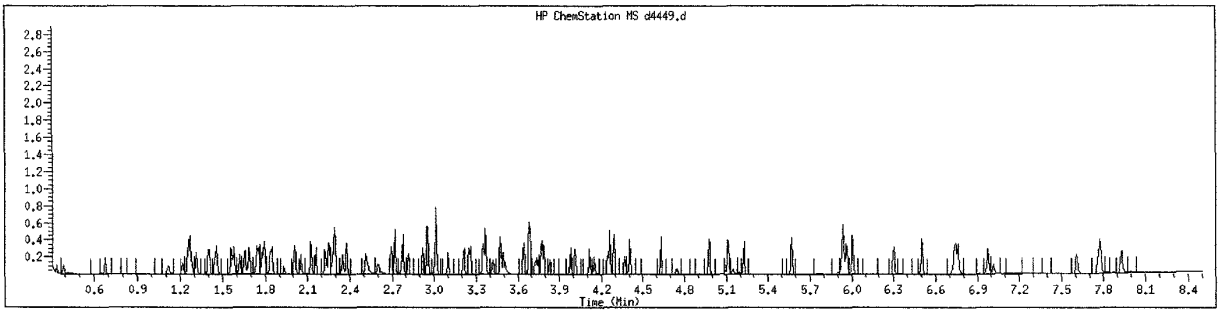
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4449.d Page: 1
Report Date: 12/11/2006 07:32

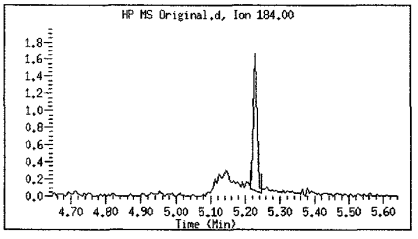
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1206 SampleType : CALIB_6
Injection Date: 11-DEC-2006 05:31 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1206*4-68-3
Misc Info : STD080*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



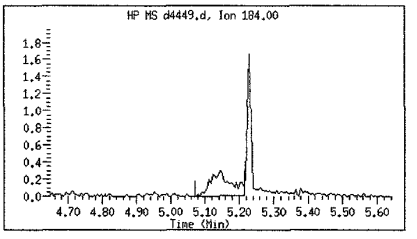
Original Final

68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 06:53



M1- Compound response manually integrated because
Target system did not integrate.

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4450.d
Lab Smp Id: 1207 Client Smp ID: STD120
Inj Date : 11-DEC-2006 05:45
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1207*4-68-4
Misc Info : STD120*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 08:58 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 18:01 Cal File: d4283.d
Als bottle: 5 Calibration Sample, Level: 7
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.389	0.400	(0.269)	438432	120.000	123
	1 n-Nitrosodimethylamine	42	0.384	0.383	(0.265)	198091	120.000	157
$	3 2-Fluorophenol	112	0.678	0.683	(0.468)	493218	120.000	125
$	4 Phenol-d5	99	1.261	1.266	(0.871)	1014307	120.000	112
	5 Aniline	93	1.223	1.218	(0.845)	655344	120.000	121
	6 Phenol +	94	1.271	1.266	(0.878)	1188288	120.000	112
	7 bis(-2-Chloroethyl)Ether	63	1.271	1.277	(0.878)	857496	120.000	117
	8 2-Chlorophenol	128	1.314	1.314	(0.908)	927049	120.000	117
	9 1,3-Dichlorobenzene	146	1.405	1.400	(0.970)	1086888	120.000	117
*	10 1,4-Dichlorobenzene-d4	152	1.448	1.443	(1.000)	196440	4[illegible]0000	
	11 1,4-Dichlorobenzene +	146	1.459	1.453	(1.007)	1089036	[illegible]20.000	117
	12 Benzyl alcohol	108	1.587	1.587	(1.096)	688826	120.000	124
	13 1,2-Dichlorobenzene	146	1.560	1.566	(1.078)	102436[illegible]	120.000	115

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	15 2-Methylphenol	108	1.689	1.683	(1.166)	969910	120.000	118
	14 Bis(2-chloroisopropyl)ether	45	1.662	1.657	(1.148)	1842325	120.000	117
	17 3- & 4-Methylphenol	108	1.796	1.796	(1.240)	942990	120.000	115
	16 N-Nitroso-di-n-propylamine++	70	1.764	1.747	(1.218)	780332	120.000	127
	18 Hexachloroethane	117	1.780	1.774	(1.229)	426436	120.000	118
$	19 Nitrobenzene-d5	82	1.838	1.838	(0.805)	1031714	120.000	121
	20 Nitrobenzene	77	1.854	1.854	(0.813)	1137053	120.000	117
	21 Isophorone	82	2.010	2.004	(0.880)	2051719	120.000	117
	22 2-Nitrophenol +	139	2.052	2.218	(0.899)	500756	120.000	122
	23 2,4-Dimethyphenol	107	2.122	2.117	(0.930)	986602	120.000	121
	24 bis(-2-Chloroethoxy)methane	93	2.159	2.154	(0.946)	1157415	120.000	115
	25 Benzoic Acid	122	2.282	2.272	(1.000)	410788	120.000	121
	26 2,4-Dichlorophenol +	162	2.223	2.240	(0.974)	652940	120.000	119
	27 1,2,4-Trichlorobenzene	180	2.250	2.245	(0.986)	747084	120.000	117
*	28 Naphthalene-d8	136	2.282	2.272	(1.000)	760985	40.0000	
	29 Naphthalene	128	2.293	2.288	(1.005)	2611434	120.000	115
	30 4-Chloroaniline	127	2.352	2.357	(1.030)	547980	120.000	123
	31 Hexachlorobutadiene +	225	2.379	2.373	(1.042)	473325	120.000	121
	32 4-Chloro-3-Methylphenol +	107	2.694	2.689	(1.180)	791325	120.000	115
	33 2-Methylnaphthalene	142	2.721	2.721	(1.192)	1757014	120.000	113
	145 1-Methylnapthalene	142	2.780	2.774	(1.218)	1412400	120.000	109
	34 Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.842)	441740	120.000	123
	35 2,4,6-Trichlorophenol +	196	2.919	2.919	(0.872)	405237	120.000	120
	36 2,4,5-Trichlorphenol	196	2.951	2.962	(0.882)	416658	120.000	120
$	37 2-Fluorobiphenyl	172	2.951	2.951	(0.882)	1446774	120.000	116
	38 2-Chloronaphthalene	162	3.015	3.015	(0.901)	1300458	120.000	117
	39 2-Nitroaniline	138	3.101	3.106	(0.926)	463318	120.000	115
	40 Dimethylphthalate	163	3.218	3.208	(0.962)	1402733	120.000	114
	41 2,6-Dinitrotoluene	165	3.250	3.341	(0.971)	353458	120.000	116
	42 Acenaphthylene	152	3.261	3.256	(0.974)	1624440	120.000	110
	43 3-Nitroaniline	138	3.352	3.379	(1.002)	280627	120.000	122
*	44 Acenaphthene-d10	164	3.347	3.341	(1.000)	388044	40.0000	
	45 Acenaphthene +	153	3.368	3.357	(1.006)	1438791	120.000	113
	46 2,4-Dinitrophenol ++	184	3.422	3.427	(1.022)	232526	120.000	130
	49 4-Nitrophenol ++	109	3.507	3.513	(1.048)	217516	120.000	126
	47 Dibenzofuran	168	3.475	3.475	(1.038)	1887867	120.000	113
	48 2,4-Dinitrotoluene	165	3.496	3.496	(1.045)	473605	120.000	119
	50 Diethylphthalate	149	3.646	3.630	(1.089)	1407856	120.000	113
	52 4-Chlorophenyl-phenylether	204	3.689	3.684	(1.102)	656067	120.000	113
	51 Fluorene	166	3.678	3.678	(1.099)	1527499	120.000	111
	53 4-Nitroaniline	138	3.732	3.379	(1.115)	307686	120.000	129
	54 4,6-Dinitro-o-cresol	198	3.748	3.748	(0.883)	292771	120.000	127
	55 N-nitrosodiphenylamine (1)+	169	3.775	3.764	(0.889)	1021815	120.000	119
	56 Azobenzene	77	3.785	3.780	(0.892)	1777806	120.000	120
$	57 2,4,6-Tribromophenol	332	3.833	3.833	(1.145)	218751	120.000	120
	58 4-Bromophenyl-phenylether	248	3.983	3.978	(0.938)	356776	120.000	117
	59 Hexachlorobenzene	284	4.015	4.010	(0.946)	454914	120.000	121

034736

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.149	4.160	(0.977)	291431	120.000	128
*	61 Phenanthrene-d10	188	4.245	4.235	(1.000)	564802	40.0000	
	62 Phenanthrene	178	4.256	4.251	(1.003)	1963909	120.000	113
	63 Anthracene	178	4.288	4.288	(1.010)	2025051	120.000	115
	64 Carbazole	167	4.406	4.406	(1.038)	1591871	120.000	113
	65 Di-n-butylphthalate	149	4.630	4.625	(1.091)	2176163	120.000	117
	67 Fluoranthene +	202	4.978	4.978	(1.173)	1907466	120.000	118
	68 Benzidine	184	5.133	5.090	(0.864)	15264	120.000	15.1(M1H)
	69 Pyrene	202	5.112	5.112	(0.860)	1982847	120.000	108
$	70 Terphenyl-d14	244	5.229	5.219	(0.880)	1255910	120.000	112
	71 Butylbenzylphthalate	149	5.572	5.561	(0.938)	974699	120.000	112
	73 3,3'-Dichlorobenzidine	252	5.941	5.935	(1.000)	525444	120.000	115
	72 Benzo(a)anthracene	228	5.935	5.925	(0.999)	1761361	120.000	119
*	74 Chrysene-d12	240	5.941	5.930	(1.000)	458517	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.005	5.994	(1.011)	1299014	120.000	121
	75 Chrysene	228	5.962	5.952	(1.004)	1760379	120.000	120
	77 Di-n-octylphthalate +	149	6.502	6.492	(1.095)	2262207	120.000	119
	78 Benzo(b)fluoranthene	252	6.748	6.738	(0.962)	1856512	120.000	117
	79 Benzo(k)fluoranthene	252	6.764	6.759	(0.964)	2226219	120.000	123
	80 Benzo(a)pyrene +	252	6.978	6.973	(0.995)	1672411	120.000	115
*	81 Perylene-d12	264	7.016	7.005	(1.000)	425968	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.765	7.770	(1.307)	2397239	120.000	126
	83 Dibenzo(a,h)anthracene	278	7.775	7.775	(1.108)	2106561	120.000	122
	84 Benzo(g,h,i)perylene	276	7.930	7.941	(1.130)	2029764	120.000	132
M	66 Total Methylphenol	108				1912900	240.000	232
	91 Acetophenone	105	1.747	1.742	(1.207)	1241015	120.000	112
	155 Benzaldehyde	77	1.116	1.138	(0.771)	329294	120.000	126
	156 Caprolactam	113	2.619	2.555	(1.148)	254802	120.000	135
	157 Biphenyl	154	3.010	3.004	(1.319)	1653321	120.000	121
	158 Atrazine	200	4.117	4.106	(0.970)	305313	120.000	114
	174 1,4-Dioxane	88	0.341	0.341	(0.235)	176620	120.000	113

QC Flag Legend

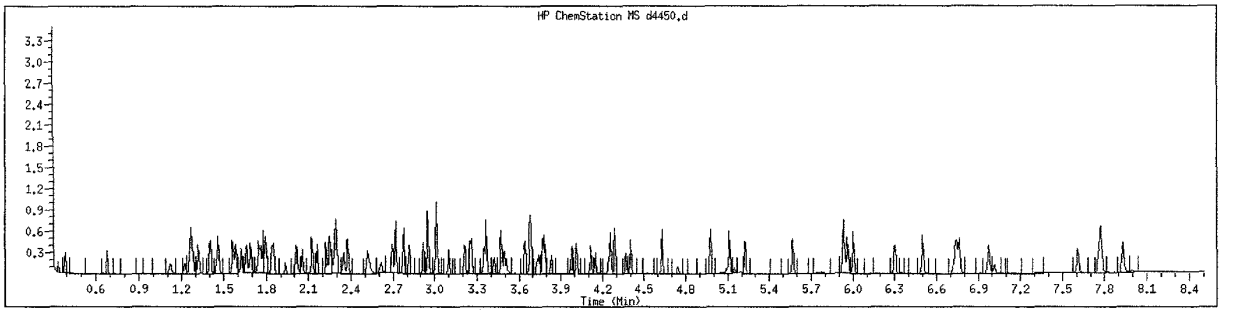
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

Data File: /var/chem/MSSV5.i/20061211.s.b/d4450.d
Date : 11-DEC-2006 05:45
Client ID: STD120
Sample Info: 120744-68-4
Volume Injected (ul): 1.0
Column phase: RTX-5MS-30M
Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25
Page 1
Y (x10^7)
-2-Fluorophenol
-Phenol-d5+
-1,4-Dichlorobenzene-d4+
-Nitrobenzene-d5+
-Naphthalene-d8+
-2-Fluorobiphenyl+
-Acenaphthene-d10+
-2,4,6-Tribromophenol
-Phenanthrene-d10+
-Terphenyl-d14
-Chrysene-d12+
-Perylene-d12
Min
/var/chem/MSSV5.i/20061211.s.b/d4450.d

Data file : /var/chem/MSSV5.i/2061211.s.b/d4450.d Page: 1
Report Date: 12/11/2006 10:35

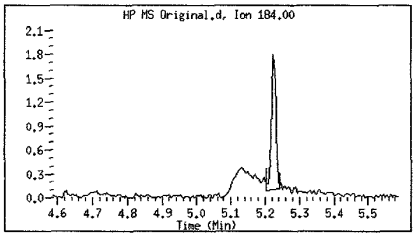
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 1207	SampleType	: CALIB_7
Injection Date	: 11-DEC-2006 05:45	Instrument	: MSSV5.i
Operator	: rrr		
Sample Info	: 1207*4-68-4		
Misc Info	: STD120*MSSV~4095~*		
Method	: /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m		
Dilution	: 1.0		
Matrix	: WATER		
Integrator	: HP RTE	Compound Sublist:	8270C



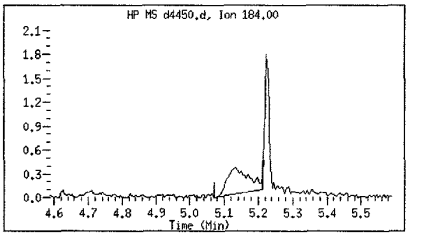
Original Final

68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature
Applied

User: jar3
Date: 11-Dec-2006 10:35



M1- Compound response manually integrated because
Target system did not integrate.

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034739

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4451.d
Lab Smp Id: 1208 Client Smp ID: STD160
Inj Date : 11-DEC-2006 06:00
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1208*4-68-5
Misc Info : STD160*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 08:58 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 18:17 Cal File: d4284.d
Als bottle: 6 Calibration Sample, Level: 8
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.394	0.389	(0.272)	383404	160.000	91.1
	1 n-Nitrosodimethylamine	42	0.389	0.384	(0.269)	259443	160.000	175
$	3 2-Fluorophenol	112	0.683	0.678	(0.472)	752236	160.000	162
$	4 Phenol-d5	99	1.272	1.261	(0.878)	1493003	160.000	139
	5 Aniline	93	1.229	1.223	(0.849)	899619	160.000	157
	6 Phenol +	94	1.282	1.271	(0.885)	1742735	160.000	140
	7 bis(-2-Chloroethyl)Ether	63	1.282	1.271	(0.885)	1261548	160.000	146
	8 2-Chlorophenol	128	1.320	1.314	(0.911)	1407625	160.000	151
	9 1,3-Dichlorobenzene	146	1.411	1.405	(0.974)	1613973	160.000	148
*	10 1,4-Dichlorobenzene-d4	152	1.448	1.448	(1.000)	231510	40.0000	
	11 1,4-Dichlorobenzene +	146	1.464	1.459	(1.011)	1613584	160.000	147
	12 Benzyl alcohol	108	1.592	1.587	(1.100)	1047789	160.000	160
	13 1,2-Dichlorobenzene	146	1.566	1.560	(1.081)	1559808	160.000	148

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.694	1.689	(1.170)	1454047	160.000	149
	14 Bis(2-chloroisopropyl)ether	45	1.662	1.662	(1.148)	2678089	160.000	145
	17 3- & 4-Methylphenol	108	1.806	1.796	(1.247)	1343283	160.000	139
	16 N-Nitroso-di-n-propylamine++	70	1.774	1.764	(1.225)	1097015	160.000	164
	18 Hexachloroethane	117	1.780	1.780	(1.229)	612680	160.000	143
$	19 Nitrobenzene-d5	82	1.844	1.838	(0.808)	1541590	160.000	154
	20 Nitrobenzene	77	1.860	1.854	(0.815)	1696547	160.000	149
	21 Isophorone	82	2.020	2.010	(0.885)	3081681	160.000	150
	22 2-Nitrophenol +	139	2.058	2.052	(0.902)	749752	160.000	156
	23 2,4-Dimethyphenol	107	2.127	2.122	(0.932)	1421952	160.000	149
	24 bis(-2-Chloroethoxy)methane	93	2.165	2.159	(0.948)	1744465	160.000	149
	25 Benzoic Acid	122	2.304	2.282	(1.009)	636032	160.000	159
	26 2,4-Dichlorophenol +	162	2.229	2.223	(0.977)	962912	160.000	149
	27 1,2,4-Trichlorobenzene	180	2.256	2.250	(0.988)	1157379	160.000	155
*	28 Naphthalene-d8	136	2.282	2.282	(1.000)	890730	40.0000	
	29 Naphthalene	128	2.298	2.293	(1.007)	3811476	160.000	143
	30 4-Chloroaniline	127	2.352	2.352	(1.030)	736956	160.000	149
	31 Hexachlorobutadiene +	225	2.379	2.379	(1.042)	738198	160.000	161
	32 4-Chloro-3-Methylphenol +	107	2.700	2.694	(1.183)	1138691	160.000	142
	33 2-Methylnaphthalene	142	2.721	2.721	(1.192)	2680051	160.000	147
	145 1-Methylnapthalene	142	2.780	2.780	(1.218)	2091274	160.000	137
	34 Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.842)	679045	160.000	160
	35 2,4,6-Trichlorophenol +	196	2.924	2.919	(0.874)	612767	160.000	160
	36 2,4,5-Trichlorphenol	196	2.956	2.951	(0.883)	613477	160.000	156
$	37 2-Fluorobiphenyl	172	2.956	2.951	(0.883)	2172983	160.000	154
	38 2-Chloronaphthalene	162	3.021	3.015	(0.902)	1923835	160.000	152
	39 2-Nitroaniline	138	3.106	3.101	(0.928)	651379	160.000	143
	40 Dimethylphthalate	163	3.218	3.218	(0.962)	1986522	160.000	142
	41 2,6-Dinitrotoluene	165	3.256	3.250	(0.973)	498375	160.000	145
	42 Acenaphthylene	152	3.261	3.261	(0.974)	2323735	160.000	139
	43 3-Nitroaniline	138	3.357	3.352	(1.003)	372400	160.000	148
*	44 Acenaphthene-d10	164	3.347	3.347	(1.000)	439198	40.0000	
	45 Acenaphthene +	153	3.368	3.368	(1.006)	2058709	160.000	143
	46 2,4-Dinitrophenol ++	184	3.422	3.422	(1.022)	325322	160.000	161
	49 4-Nitrophenol ++	109	3.513	3.507	(1.050)	305672	160.000	156
	47 Dibenzofuran	168	3.475	3.475	(1.038)	2709501	160.000	144
	48 2,4-Dinitrotoluene	165	3.497	3.496	(1.045)	650845	160.000	144
	50 Diethylphthalate	149	3.646	3.646	(1.089)	1988730	160.000	141
	52 4-Chlorophenyl-phenylether	204	3.689	3.689	(1.102)	965309	160.000	147
	51 Fluorene	166	3.684	3.678	(1.101)	2180630	160.000	140
	53 4-Nitroaniline	138	3.737	3.732	(1.117)	393632	160.000	153
	54 4,6-Dinitro-o-cresol	198	3.748	3.748	(0.883)	403550	160.000	159
	55 N-nitrosodiphenylamine (1)+	169	3.775	3.775	(0.889)	1432270	160.000	151
	56 Azobenzene	77	3.785	3.785	(0.892)	2452832	160.000	149
$	57 2,4,6-Tribromophenol	332	3.834	3.833	(1.145)	331244	160.000	160
	58 4-Bromophenyl-phenylether	248	3.983	3.983	(0.938)	527324	160.000	157
	59 Hexachlorobenzene	284	4.015	4.015	(0.946)	690140	160.000	167

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.149	4.149	(0.977)	428411	160.000	171
*	61 Phenanthrene-d10	188	4.245	4.245	(1.000)	623263	40.0000	
	62 Phenanthrene	178	4.261	4.256	(1.004)	2758698	160.000	144
	63 Anthracene	178	4.293	4.288	(1.011)	2835525	160.000	146
	64 Carbazole	167	4.406	4.406	(1.038)	2173139	160.000	140
	65 Di-n-butylphthalate	149	4.630	4.630	(1.091)	2953450	160.000	144
	67 Fluoranthene +	202	4.978	4.978	(1.173)	2632998	160.000	148
	68 Benzidine	184	5.117	5.133	(0.861)	18808	160.000	17.7(M1H)
	69 Pyrene	202	5.112	5.112	(0.860)	2724371	160.000	142
$	70 Terphenyl-d14	244	5.230	5.229	(0.880)	1752979	160.000	149
	71 Butylbenzylphthalate	149	5.566	5.572	(0.937)	1327506	160.000	145
	73 3,3'-Dichlorobenzidine	252	5.936	5.941	(0.999)	686537	160.000	143
	72 Benzo(a)anthracene	228	5.936	5.935	(0.999)	2446117	160.000	158
*	74 Chrysene-d12	240	5.941	5.941	(1.000)	481639	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.005	6.005	(1.011)	1766570	160.000	162
	75 Chrysene	228	5.962	5.962	(1.004)	2356942	160.000	153
	77 Di-n-octylphthalate +	149	6.503	6.502	(1.095)	3063428	160.000	153
	78 Benzo(b)fluoranthene	252	6.754	6.748	(0.963)	2954610	160.000	165
	79 Benzo(k)fluoranthene	252	6.770	6.764	(0.965)	2650827	160.000	138
	80 Benzo(a)pyrene +	252	6.979	6.978	(0.995)	2297617	160.000	149
*	81 Perylene-d12	264	7.016	7.016	(1.000)	452005	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.770	7.765	(1.308)	3388010	160.000	162
	83 Dibenzo(a,h)anthracene	278	7.781	7.775	(1.109)	2975846	160.000	162
	84 Benzo(g,h,i)perylene	276	7.936	7.930	(1.131)	2801159	160.000	172
M	66 Total Methylphenol	108				2797330	320.000	288
	91 Acetophenone	105	1.753	1.747	(1.211)	1855674	160.000	142
	155 Benzaldehyde	77	1.122	1.116	(0.775)	489449	160.000	164
	156 Caprolactam	113	2.635	2.619	(1.155)	320468	160.000	151
	157 Biphenyl	154	3.015	3.010	(1.321)	2419026	160.000	159
	158 Atrazine	200	4.122	4.117	(0.971)	433149	160.000	147
	174 1,4-Dioxane	88	0.346	0.341	(0.239)	297302	160.000	161

QC Flag Legend

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

034742

Data File: /var/chem/MSSV5.i/2061211.s.b/d4451.d

Date : 11-DEC-2006 06:00

Client ID: STD160

Instrument: MSSV5.i

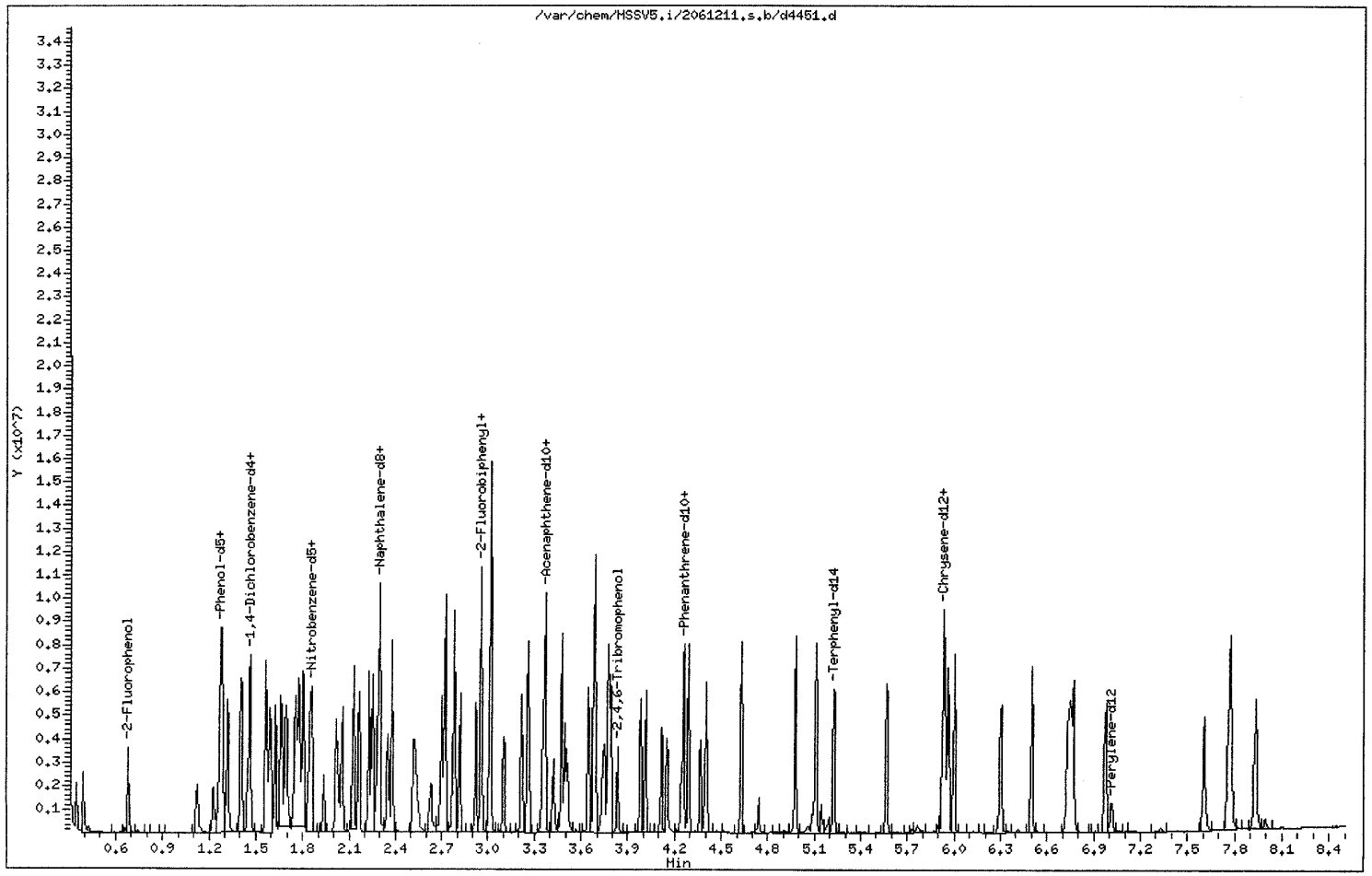
Sample Info: 1208x4-68-5

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

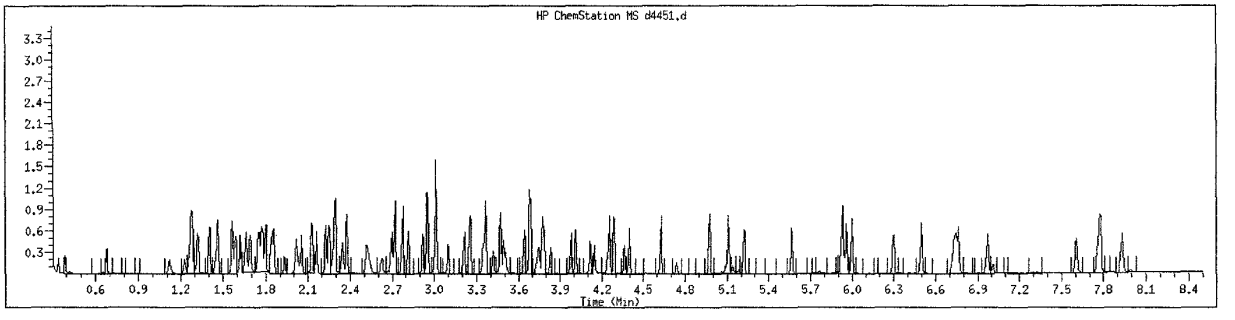
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4451.d Page: 1
Report Date: 12/11/2006 10:35

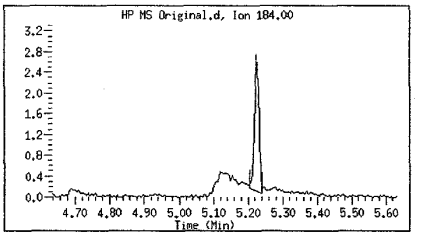
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1208 SampleType : CALIB_8
Injection Date: 11-DEC-2006 06:00 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1208*4-68-5
Misc Info : STD160*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature
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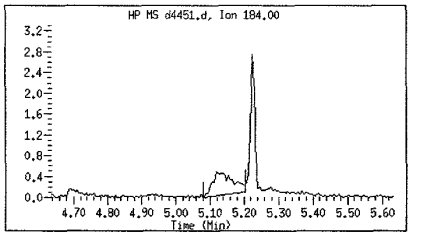
User: jar3
Date: 11-Dec-2006 10:35



M1- Compound response manually integrated because
Target system did not integrate.

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4452.d
Lab Smp Id: 1209 Client Smp ID: STD200
Inj Date : 11-DEC-2006 06:16
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1209*4-68-6
Misc Info : STD200*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 08:58 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 18:31 Cal File: d4285.d
Als bottle: 7 Calibration Sample, Level: 9
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.400	0.394	(0.275)	468895	200.000	113
	1 n-Nitrosodimethylamine	42	0.394	0.389	(0.271)	259525	200.000	178
$	3 2-Fluorophenol	112	0.683	0.683	(0.470)	877079	200.000	192
$	4 Phenol-d5	99	1.277	1.272	(0.879)	1738143	200.000	165
	5 Aniline	93	1.234	1.229	(0.849)	1021991	200.000	201(A)
	6 Phenol +	94	1.287	1.282	(0.886)	1944271	200.000	158
	7 bis(-2-Chloroethyl)Ether	63	1.287	1.282	(0.886)	1567565	200.000	185
	8 2-Chlorophenol	128	1.325	1.320	(0.912)	1655839	200.000	180
	9 1,3-Dichlorobenzene	146	1.411	1.411	(0.971)	1980162	200.000	184
*	10 1,4-Dichlorobenzene-d4	152	1.453	1.448	(1.000)	227790	40.0000	
	11 1,4-Dichlorobenzene +	146	1.469	1.464	(1.011)	1971750	200.000	183
	12 Benzyl alcohol	108	1.598	1.592	(1.099)	1234363	200.000	192
	13 1,2-Dichlorobenzene	146	1.571	1.566	(1.081)	1898767	200.000	183

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.699	1.694	(1.169)	1683925	200.000	176
	14 Bis(2-chloroisopropyl)ether	45	1.667	1.662	(1.147)	3095464	200.000	170
	17 3- & 4-Methylphenol	108	1.806	1.806	(1.243)	1544682	200.000	162
	16 N-Nitroso-di-n-propylamine++	70	1.780	1.774	(1.224)	1204457	200.000	193
	18 Hexachloroethane	117	1.785	1.780	(1.228)	735964	200.000	175
$	19 Nitrobenzene-d5	82	1.849	1.844	(0.810)	1828549	200.000	190
	20 Nitrobenzene	77	1.865	1.860	(0.817)	1969636	200.000	179
	21 Isophorone	82	2.026	2.020	(0.887)	3523034	200.000	178
	22 2-Nitrophenol +	139	2.063	2.058	(0.904)	888011	200.000	192
	23 2,4-Dimethyphenol	107	2.133	2.127	(0.934)	1645861	200.000	179
	24 bis(-2-Chloroethoxy)methane	93	2.170	2.165	(0.951)	2028245	200.000	180
	25 Benzoic Acid	122	2.314	2.304	(1.014)	774740	200.000	201(A)
	26 2,4-Dichlorophenol +	162	2.234	2.229	(0.979)	1107251	200.000	178
	27 1,2,4-Trichlorobenzene	180	2.256	2.256	(0.988)	1401661	200.000	195
*	28 Naphthalene-d8	136	2.282	2.282	(1.000)	857492	40.0000	
	29 Naphthalene	128	2.298	2.298	(1.007)	4498677	200.000	176
	30 4-Chloroaniline	127	2.357	2.352	(1.033)	889522	200.000	204(A)
	31 Hexachlorobutadiene +	225	2.379	2.379	(1.042)	901885	200.000	204(A)
	32 4-Chloro-3-Methylphenol +	107	2.705	2.700	(1.185)	1288115	200.000	166
	33 2-Methylnaphthalene	142	2.726	2.721	(1.194)	3026775	200.000	172
	145 1-Methylnapthalene	142	2.785	2.780	(1.220)	2415732	200.000	165
	34 Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.842)	825758	200.000	199
	35 2,4,6-Trichlorophenol +	196	2.924	2.924	(0.874)	705952	200.000	196
	36 2,4,5-Trichlorphenol	196	2.956	2.956	(0.883)	699139	200.000	190
$	37 2-Fluorobiphenyl	172	2.956	2.956	(0.883)	2460644	200.000	185
	38 2-Chloronaphthalene	162	3.020	3.021	(0.902)	2222073	200.000	187
	39 2-Nitroaniline	138	3.106	3.106	(0.928)	746998	200.000	174
	40 Dimethylphthalate	163	3.218	3.218	(0.962)	2266933	200.000	173
	41 2,6-Dinitrotoluene	165	3.256	3.256	(0.973)	564459	200.000	174
	42 Acenaphthylene	152	3.266	3.261	(0.976)	2698020	200.000	171
	43 3-Nitroaniline	138	3.357	3.357	(1.003)	454658	200.000	205(A)
*	44 Acenaphthene-d10	164	3.347	3.347	(1.000)	413112	40.0000	
	45 Acenaphthene +	153	3.373	3.368	(1.008)	2391475	200.000	176
	46 2,4-Dinitrophenol ++	184	3.427	3.422	(1.024)	383814	200.000	202(A)
	49 4-Nitrophenol ++	109	3.513	3.513	(1.050)	335534	200.000	182
	47 Dibenzofuran	168	3.480	3.475	(1.040)	3140383	200.000	177
	48 2,4-Dinitrotoluene	165	3.502	3.497	(1.046)	741354	200.000	175
	50 Diethylphthalate	149	3.652	3.646	(1.091)	2251976	200.000	170
	52 4-Chlorophenyl-phenylether	204	3.694	3.689	(1.104)	1139267	200.000	184
	51 Fluorene	166	3.684	3.684	(1.101)	2455370	200.000	168
	53 4-Nitroaniline	138	3.743	3.737	(1.118)	446780	200.000	200(A)
	54 4,6-Dinitro-o-cresol	198	3.753	3.748	(0.884)	474613	200.000	205(A)
	55 N-nitrosodiphenylamine (1)+	169	3.775	3.775	(0.889)	1649309	200.000	190
	56 Azobenzene	77	3.791	3.785	(0.893)	2706456	200.000	181
$	57 2,4,6-Tribromophenol	332	3.839	3.834	(1.147)	386494	200.000	199
	58 4-Bromophenyl-phenylether	248	3.983	3.983	(0.938)	622711	200.000	203(A)
	59 Hexachlorobenzene	284	4.021	4.015	(0.947)	800715	200.000	212(A)

034746

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.154	4.149	(0.979)	493936	200.000	216(A)
*	61 Phenanthrene-d10	188	4.245	4.245	(1.000)	569041	40.0000	
	62 Phenanthrene	178	4.261	4.261	(1.004)	3183387	200.000	182
	63 Anthracene	178	4.293	4.293	(1.011)	3156751	200.000	179
	64 Carbazole	167	4.406	4.406	(1.038)	2500067	200.000	176
	65 Di-n-butylphthalate	149	4.630	4.630	(1.091)	3361540	200.000	180
	67 Fluoranthene +	202	4.978	4.978	(1.173)	3080846	200.000	189
	68 Benzidine	184	5.165	5.117	(0.869)	19665	200.000	19.3(M1H)
	69 Pyrene	202	5.117	5.112	(0.861)	3132149	200.000	170
$	70 Terphenyl-d14	244	5.229	5.230	(0.879)	2043043	200.000	182
	71 Butylbenzylphthalate	149	5.572	5.566	(0.937)	1523002	200.000	174
	73 3,3'-Dichlorobenzidine	252	5.941	5.936	(0.999)	826515	200.000	179
	72 Benzo(a)anthracene	228	5.935	5.936	(0.998)	3002515	200.000	202(A)
*	74 Chrysene-d12	240	5.946	5.941	(1.000)	461258	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.005	6.005	(1.010)	2026755	200.000	199
	75 Chrysene	228	5.968	5.962	(1.004)	2689009	200.000	182
	77 Di-n-octylphthalate +	149	6.508	6.503	(1.094)	3580834	200.000	187
	78 Benzo(b)fluoranthene	252	6.759	6.754	(0.963)	3713000	200.000	198
	79 Benzo(k)fluoranthene	252	6.775	6.770	(0.966)	3356714	200.000	175(H)
	80 Benzo(a)pyrene +	252	6.984	6.979	(0.995)	2911529	200.000	190
*	81 Perylene-d12	264	7.016	7.016	(1.000)	450022	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.775	7.770	(1.308)	4217657	200.000	198
	83 Dibenzo(a,h)anthracene	278	7.786	7.781	(1.110)	3706586	200.000	202(A)
	84 Benzo(g,h,i)perylene	276	7.941	7.936	(1.132)	3547791	200.000	219(A)
M	66 Total Methylphenol	108				3228607	400.000	338
	91 Acetophenone	105	1.758	1.753	(1.210)	2191720	200.000	170
	155 Benzaldehyde	77	1.127	1.122	(0.775)	554266	200.000	192
	156 Caprolactam	113	2.641	2.635	(1.157)	365357	200.000	197
	157 Biphenyl	154	3.015	3.015	(1.321)	2786202	200.000	200
	158 Atrazine	200	4.122	4.122	(0.971)	470892	200.000	175
	174 1,4-Dioxane	88	0.351	0.346	(0.242)	365380	200.000	201(A)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.
H - Operator selected an alternate compound hit.

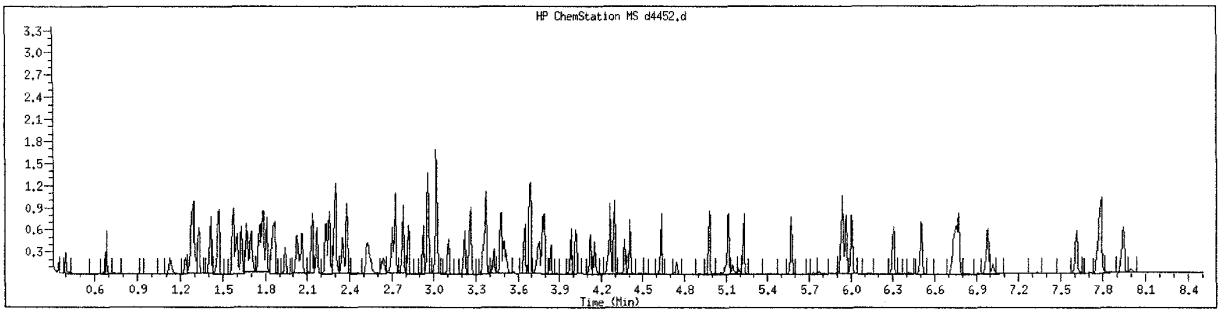
Data File: /var/chem/MSSV5.i/20061211.s.b/d4452.d
Date : 11-DEC-2006 06:16
Client ID: STD200
Sample Info: 1209x4-68-6
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25

Data file : /var/chem/MSSV5.i/2061211.s.b/d4452.d Page: 1
Report Date: 12/11/2006 10:36

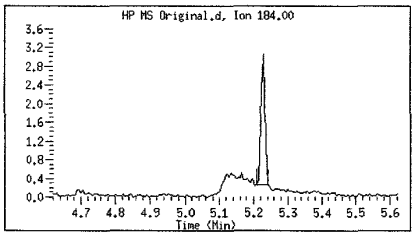
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1209 SampleType : CALIB_9
Injection Date: 11-DEC-2006 06:16 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1209*4-68-6
Misc Info : STD200*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



Original Final

68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature
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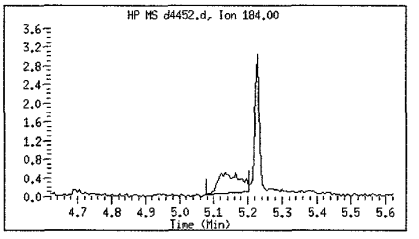
User: jar3
Date: 11-Dec-2006 10:36



M1- Compound response manually integrated because
Target system did not integrate.

000361

034749

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4453.d
Lab Smp Id: 1203 Client Smp ID: STD002
Inj Date : 11-DEC-2006 06:30
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1203*4-68-7
Misc Info : STD002*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 07:32 rrr Quant Type: ISTD
Cal Date : 11-DEC-2006 06:30 Cal File: d4453.d
Als bottle: 8 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2 Pyridine	79	0.394	0.394	(0.273)	5999	2.00000	1.85(a)
	1 n-Nitrosodimethylamine	42	0.384	0.384	(0.266)	3332	2.00000	2.55(a)
$	3 2-Fluorophenol	112	0.678	0.678	(0.470)	7546	2.00000	1.87(a)
$	4 Phenol-d5	99	1.250	1.250	(0.867)	19757	2.00000	2.15(a)
	5 Aniline	93	1.213	1.213	(0.841)	18045	2.00000	2.51(a)
	6 Phenol +	94	1.261	1.261	(0.874)	22169	2.00000	2.04(a)
	7 bis(-2-Chloroethyl)Ether	63	1.266	1.266	(0.878)	14997	2.00000	2.02(a)
	8 2-Chlorophenol	128	1.309	1.309	(0.907)	16189	2.00000	1.96(a)
	9 1,3-Dichlorobenzene	146	1.400	1.400	(0.970)	19238	2.00000	2.03(a)
*	10 1,4-Dichlorobenzene-d4	152	1.443	1.443	(1.000)	203648	40.0000	
	11 1,4-Dichlorobenzene +	146	1.453	1.453	(1.007)	19071	2.00000	1.99(a)
	12 Benzyl alcohol	108	1.576	1.576	(1.093)	10443	2.00000	1.81(a)
	13 1,2-Dichlorobenzene	146	1.560	1.560	(1.082)	19072	2.00000	2.08(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	15 2-Methylphenol	108	1.678	1.678	(1.163)	17376	2.00000	2.05(a)
	14 Bis(2-chloroisopropyl)ether	45	1.657	1.657	(1.148)	32643	2.00000	2.02(a)
	17 3- & 4-Methylphenol	108	1.790	1.790	(1.241)	18502	2.00000	2.17(a)
	16 N-Nitroso-di-n-propylamine++	70	1.748	1.748	(1.211)	14470	2.00000	3.21(a)
	18 Hexachloroethane	117	1.780	1.780	(1.234)	7985	2.00000	2.12(a)
$	19 Nitrobenzene-d5	82	1.833	1.833	(0.805)	18840	2.00000	2.09(a)
	20 Nitrobenzene	77	1.844	1.844	(0.810)	20328	2.00000	1.95(a)
	21 Isophorone	82	1.999	1.999	(0.878)	40202	2.00000	2.09(a)
	22 2-Nitrophenol +	139	2.053	2.053	(0.901)	8234	2.00000	1.84(a)
	23 2,4-Dimethyphenol	107	2.117	2.117	(0.930)	16963	2.00000	1.86(a)
	24 bis(-2-Chloroethoxy)methane	93	2.154	2.154	(0.946)	22069	2.00000	2.02(a)
	25 Benzoic Acid	122	2.213	2.213	(0.972)	1545	2.00000	3.23(a)
	26 2,4-Dichlorophenol +	162	2.229	2.229	(0.979)	11174	2.00000	1.83(a)
	27 1,2,4-Trichlorobenzene	180	2.245	2.245	(0.986)	13433	2.00000	1.91(a)
*	28 Naphthalene-d8	136	2.277	2.277	(1.000)	839374	40.0000	
	29 Naphthalene	128	2.288	2.288	(1.005)	51325	2.00000	2.05(a)
	30 4-Chloroaniline	127	2.352	2.352	(1.033)	15295	2.00000	1.29(a)
	31 Hexachlorobutadiene +	225	2.373	2.373	(1.042)	8139	2.00000	1.85(a)
	32 4-Chloro-3-Methylphenol +	107	2.689	2.689	(1.181)	16410	2.00000	2.26(a)
	33 2-Methylnaphthalene	142	2.716	2.716	(1.193)	36929	2.00000	2.17(a)
	145 1-Methylnapthalene	142	2.775	2.775	(1.218)	30504	2.00000	2.22(a)
	34 Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.843)	1286	2.00000	6.06(a)
	35 2,4,6-Trichlorophenol +	196	2.914	2.914	(0.872)	7574	2.00000	1.94(a)
	36 2,4,5-Trichlorphenol	196	2.951	2.951	(0.883)	7683	2.00000	1.91(a)
$	37 2-Fluorobiphenyl	172	2.951	2.951	(0.883)	29460	2.00000	1.99(a)
	38 2-Chloronaphthalene	162	3.010	3.010	(0.901)	28842	2.00000	2.19(aM2)
	39 2-Nitroaniline	138	3.095	3.095	(0.926)	9495	2.00000	2.04(a)
	40 Dimethylphthalate	163	3.208	3.208	(0.960)	31246	2.00000	2.18(aM1)
	41 2,6-Dinitrotoluene	165	3.240	3.240	(0.970)	7649	2.00000	2.13(a)
	42 Acenaphthylene	152	3.256	3.256	(0.974)	39175	2.00000	2.26(a)
	43 3-Nitroaniline	138	3.352	3.352	(1.003)	7852	2.00000	1.08(a)
*	44 Acenaphthene-d10	164	3.342	3.342	(1.000)	458720	40.0000	
	45 Acenaphthene +	153	3.363	3.363	(1.006)	30125	2.00000	2.02(a)
	47 Dibenzofuran	168	3.470	3.470	(1.038)	40598	2.00000	2.07(a)
	48 2,4-Dinitrotoluene	165	3.491	3.491	(1.045)	9636	2.00000	2.05(a)
	50 Diethylphthalate	149	3.636	3.636	(1.088)	31129	2.00000	2.18(a)
	52 4-Chlorophenyl-phenylether	204	3.684	3.684	(1.102)	14134	2.00000	2.09(a)
	51 Fluorene	166	3.678	3.678	(1.101)	35647	2.00000	2.24(a)
	53 4-Nitroaniline	138	3.721	3.721	(1.114)	6567	2.00000	2.73(a)
	54 4,6-Dinitro-o-cresol	198	3.743	3.743	(0.883)	3582	2.00000	1.23(a)
	55 N-nitrosodiphenylamine (1)+	169	3.764	3.764	(0.888)	20889	2.00000	1.94(a)
	56 Azobenzene	77	3.780	3.780	(0.891)	36572	2.00000	1.98(a)
$	57 2,4,6-Tribromophenol	332	3.834	3.834	(1.147)	3581	2.00000	1.66(a)
	58 4-Bromophenyl-phenylether	248	3.978	3.978	(0.938)	7204	2.00000	1.90(a)
	59 Hexachlorobenzene	284	4.010	4.010	(0.946)	8800	2.00000	1.87(a)
	60 Pentachlorophenol +	266	4.149	4.149	(0.979)	2574	2.00000	0.897(a)
*	61 Phenanthrene-d10	188	4.240	4.240	(1.000)	713253	40.0000	

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	62 Phenanthrene	178	4.251	4.251	(1.003)	46575	2.00000	2.14(a)
	63 Anthracene	178	4.283	4.283	(1.010)	46333	2.00000	2.14(a)
	64 Carbazole	167	4.401	4.401	(1.038)	37912	2.00000	2.18(a)
	65 Di-n-butylphthalate	149	4.625	4.625	(1.091)	46975	2.00000	2.08(a)
	67 Fluoranthene +	202	4.973	4.973	(1.173)	41428	2.00000	2.08(a)
	68 Benzidine	184	5.085	5.085	(0.857)	3601	2.00000	5.68(aH)
	69 Pyrene	202	5.112	5.112	(0.861)	43845	2.00000	2.17(a)
$	70 Terphenyl-d14	244	5.224	5.224	(0.880)	24761	2.00000	2.00(a)
	71 Butylbenzylphthalate	149	5.561	5.561	(0.937)	19122	2.00000	2.09(a)
	73 3,3'-Dichlorobenzidine	252	5.930	5.930	(0.999)	11085	2.00000	2.24(a)
	72 Benzo(a)anthracene	228	5.930	5.930	(0.999)	32961	2.00000	1.66(a)
*	74 Chrysene-d12	240	5.936	5.936	(1.000)	511123	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.000	6.000	(1.011)	26321	2.00000	2.16(a)
	75 Chrysene	228	5.957	5.957	(1.004)	32721	2.00000	1.99(a)
	77 Di-n-octylphthalate +	149	6.492	6.492	(1.094)	42037	2.00000	1.98(a)
	78 Benzo(b)fluoranthene	252	6.738	6.738	(0.962)	36201	2.00000	2.00(a)
	79 Benzo(k)fluoranthene	252	6.754	6.754	(0.964)	33908	2.00000	1.76(a)
	80 Benzo(a)pyrene +	252	6.973	6.973	(0.995)	30191	2.00000	2.14(a)
*	81 Perylene-d12	264	7.005	7.005	(1.000)	474527	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.760	7.760	(1.307)	33601	2.00000	2.95(a)
	83 Dibenzo(a,h)anthracene	278	7.770	7.770	(1.109)	30108	2.00000	4.69(a)
	84 Benzo(g,h,i)perylene	276	7.931	7.931	(1.132)	31467	2.00000	1.83(a)
M	66 Total Methylphenol	108				35878	4.00000	4.22(a)
	91 Acetophenone	105	1.737	1.737	(1.204)	23020	2.00000	2.04(a)
	156 Caprolactam	113	2.555	2.555	(1.122)	5032	2.00000	3.49(a)
	157 Biphenyl	154	3.005	3.005	(1.319)	36796	2.00000	1.81(a)
	158 Atrazine	200	4.106	4.106	(0.968)	7035	2.00000	2.18(a)

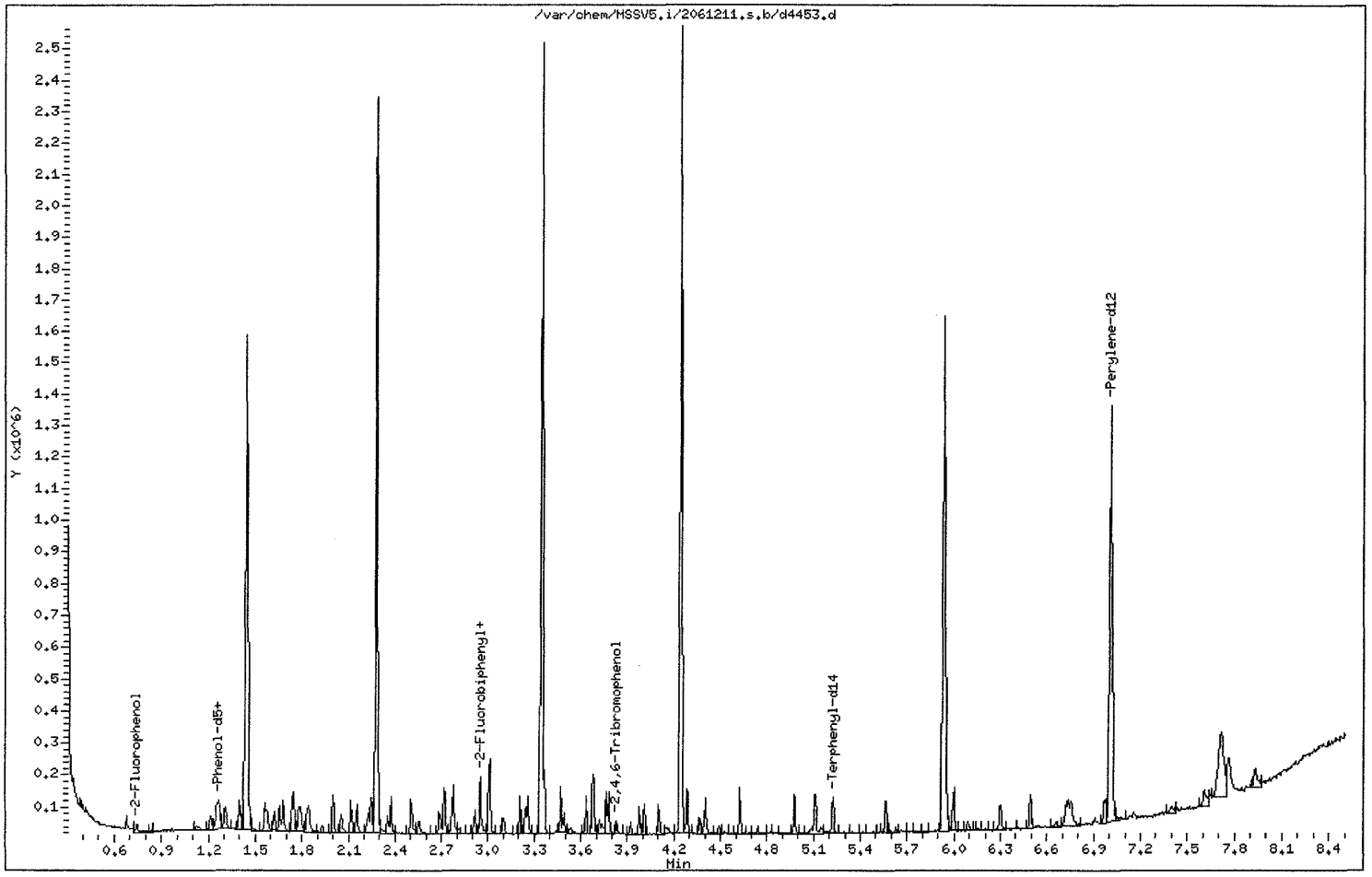
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

034752

Data File: /var/chem/MSSV5.i/2061211.s.b/d4453.d
Date : 11-DEC-2006 06:30
Client ID: STD002
Sample Info: 1203*4-68-7
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

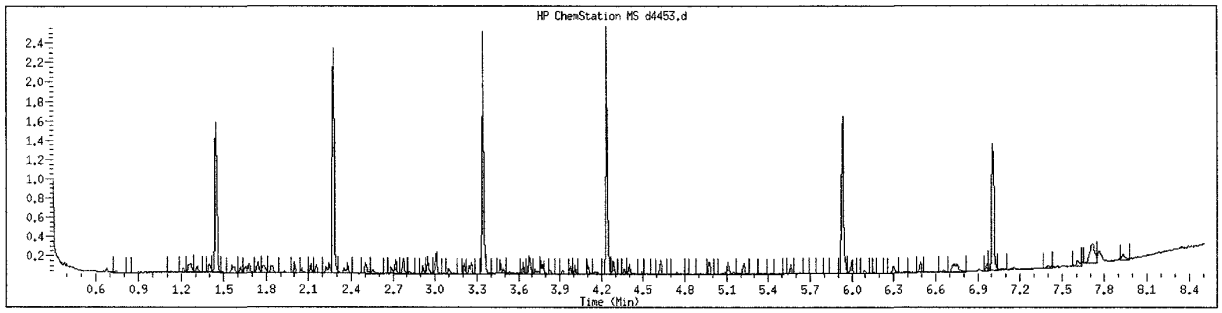
Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4453.d Page: 1
Report Date: 12/11/2006 07:32

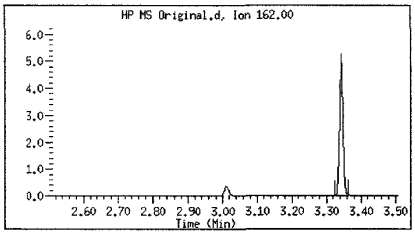
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1203 SampleType : CALIB_3
Injection Date: 11-DEC-2006 06:30 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1203*4-68-7
Misc Info : STD002*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



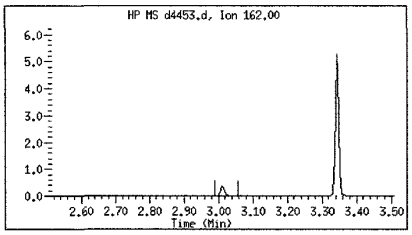
Original Final

38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M2

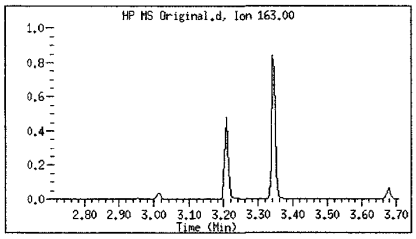


Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 06:56

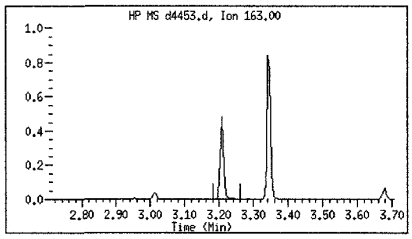


40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 06:57



000366

034754

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

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4454.d
Lab Smp Id: 1202 Client Smp ID: STD001
Inj Date : 11-DEC-2006 06:45
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1202*4-68-8
Misc Info : STD001*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 07:32 rrr Quant Type: ISTD
Cal Date : 11-DEC-2006 06:45 Cal File: d4454.d
Als bottle: 9 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
	2	Pyridine	79	0.400	0.400	(0.277)	4286	1.00000	1.15(a)
	1	n-Nitrosodimethylamine	42	0.383	0.383	(0.266)	2529	1.00000	1.68(a)
$	3	2-Fluorophenol	112	0.678	0.678	(0.470)	4564	1.00000	0.969(a)
$	4	Phenol-d5	99	1.250	1.250	(0.867)	12347	1.00000	1.14(a)
	5	Aniline	93	1.218	1.218	(0.844)	11106	1.00000	1.95(a)
	6	Phenol +	94	1.261	1.261	(0.874)	14943	1.00000	1.17(a)
	7	bis(-2-Chloroethyl)Ether	63	1.271	1.271	(0.881)	8858	1.00000	1.02(a)
	8	2-Chlorophenol	128	1.314	1.314	(0.911)	9869	1.00000	1.04(a)
	9	1,3-Dichlorobenzene	146	1.400	1.400	(0.970)	11827	1.00000	1.07(a)
*	10	1,4-Dichlorobenzene-d4	152	1.443	1.443	(1.000)	234366	40.0000	
	11	1,4-Dichlorobenzene +	146	1.453	1.453	(1.007)	11701	1.00000	1.06(a)
	12	Benzyl alcohol	108	1.582	1.582	(1.096)	6051	1.00000	0.914(a)
	13	1,2-Dichlorobenzene	146	1.566	1.566	(1.085)	11232	1.00000	1.05(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.683	1.683	(1.167)	10011	1.00000	1.02(a)
	14 Bis(2-chloroisopropyl)ether	45	1.656	1.656	(1.148)	20410	1.00000	1.09(a)
	17 3- & 4-Methylphenol	108	1.796	1.796	(1.245)	9993	1.00000	1.02(a)
	16 N-Nitroso-di-n-propylamine++	70	1.747	1.747	(1.211)	9137	1.00000	2.62(a)
	18 Hexachloroethane	117	1.779	1.779	(1.234)	4484	1.00000	1.04(a)
$	19 Nitrobenzene-d5	82	1.838	1.838	(0.807)	10898	1.00000	1.03(aM1)
	20 Nitrobenzene	77	1.849	1.849	(0.812)	14220	1.00000	1.14(a)
	21 Isophorone	82	2.004	2.004	(0.880)	23825	1.00000	1.06(a)
	22 2-Nitrophenol +	139	2.058	2.058	(0.904)	5032	1.00000	0.961(a)
	23 2,4-Dimethyphenol	107	2.116	2.116	(0.930)	10110	1.00000	0.971(a)
	24 bis(-2-Chloroethoxy)methane	93	2.154	2.154	(0.946)	13479	1.00000	1.05(a)
	25 Benzoic Acid	122	2.234	2.234	(0.981)	1510	1.00000	2.59(a)
	26 2,4-Dichlorophenol +	162	2.229	2.229	(0.979)	7184	1.00000	1.02(a)
	27 1,2,4-Trichlorobenzene	180	2.250	2.250	(0.988)	9374	1.00000	1.15(a)
*	28 Naphthalene-d8	136	2.277	2.277	(1.000)	970510	40.0000	
	29 Naphthalene	128	2.288	2.288	(1.005)	31956	1.00000	1.10(a)
	30 4-Chloroaniline	127	2.352	2.352	(1.033)	8718	1.00000	0.214(a)
	31 Hexachlorobutadiene +	225	2.373	2.373	(1.042)	4488	1.00000	0.897(a)
	32 4-Chloro-3-Methylphenol +	107	2.689	2.689	(1.181)	9707	1.00000	1.11(a)
	33 2-Methylnaphthalene	142	2.721	2.721	(1.195)	23455	1.00000	1.18(a)
	145 1-Methylnapthalene	142	2.780	2.780	(1.221)	18353	1.00000	1.14(a)
	35 2,4,6-Trichlorophenol +	196	2.919	2.919	(0.872)	4206	1.00000	0.924(a)
	36 2,4,5-Trichlorphenol	196	2.956	2.956	(0.883)	4521	1.00000	0.969(a)
$	37 2-Fluorobiphenyl	172	2.951	2.951	(0.882)	18144	1.00000	1.08(a)
	38 2-Chloronaphthalene	162	3.015	3.015	(0.901)	17088	1.00000	1.14(aM1)
	39 2-Nitroaniline	138	3.101	3.101	(0.926)	5404	1.00000	0.996(a)
	40 Dimethylphthalate	163	3.208	3.208	(0.958)	18706	1.00000	1.13(aM1)
	41 2,6-Dinitrotoluene	165	3.245	3.245	(0.970)	2159	1.00000	0.526(aM1)
	42 Acenaphthylene	152	3.261	3.261	(0.974)	23427	1.00000	1.18(a)
*	44 Acenaphthene-d10	164	3.347	3.347	(1.000)	522986	40.0000	
	45 Acenaphthene +	153	3.363	3.363	(1.005)	19867	1.00000	1.16(a)
	47 Dibenzofuran	168	3.475	3.475	(1.038)	25155	1.00000	1.12(a)
	48 2,4-Dinitrotoluene	165	3.496	3.496	(1.045)	5669	1.00000	1.06(a)
	50 Diethylphthalate	149	3.635	3.635	(1.086)	18961	1.00000	1.13(a)
	52 4-Chlorophenyl-phenylether	204	3.689	3.689	(1.102)	8830	1.00000	1.13(a)
	51 Fluorene	166	3.678	3.678	(1.099)	21418	1.00000	1.16(a)
	53 4-Nitroaniline	138	3.732	3.732	(1.115)	3301	1.00000	1.91(a)
	54 4,6-Dinitro-o-cresol	198	3.748	3.748	(0.884)	1127	1.00000	0.358(a)
	55 N-nitrosodiphenylamine (1)+	169	3.764	3.764	(0.888)	12683	1.00000	1.07(a)
	56 Azobenzene	77	3.780	3.780	(0.891)	22370	1.00000	1.10(a)
$	57 2,4,6-Tribromophenol	332	3.833	3.833	(1.145)	1738	1.00000	0.707(a)
	58 4-Bromophenyl-phenylether	248	3.978	3.978	(0.938)	4517	1.00000	1.08(a)
	59 Hexachlorobenzene	284	4.010	4.010	(0.946)	5279	1.00000	1.03(a)
	60 Pentachlorophenol +	266	4.160	4.160	(0.981)	1116	1.00000	0.359(a)
*	61 Phenanthrene-d10	188	4.240	4.240	(1.000)	773196	40.0000	
	62 Phenanthrene	178	4.256	4.256	(1.004)	27047	1.00000	1.14(a)
	63 Anthracene	178	4.288	4.288	(1.011)	27093	1.00000	1.13(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	64 Carbazole	167	4.406	4.406	(1.039)	22733	1.00000	1.18(a)
	65 Di-n-butylphthalate	149	4.625	4.625	(1.091)	28221	1.00000	1.11(a)
	67 Fluoranthene +	202	4.978	4.978	(1.174)	23799	1.00000	1.08(a)
	68 Benzidine	184	5.090	5.090	(0.858)	1840	1.00000	3.07(aH)
	69 Pyrene	202	5.112	5.112	(0.861)	23159	1.00000	1.20(a)
$	70 Terphenyl-d14	244	5.224	5.224	(0.880)	14017	1.00000	1.19(a)
	71 Butylbenzylphthalate	149	5.566	5.566	(0.938)	11172	1.00000	1.22(a)
	73 3,3'-Dichlorobenzidine	252	5.935	5.935	(1.000)	5376	1.00000	1.11(a)
	72 Benzo(a)anthracene	228	5.930	5.930	(0.999)	17091	1.00000	0.721(a)
*	74 Chrysene-d12	240	5.935	5.935	(1.000)	484103	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.000	6.000	(1.011)	13957	1.00000	1.16(a)
	75 Chrysene	228	5.957	5.957	(1.004)	16612	1.00000	1.07(a)
	77 Di-n-octylphthalate +	149	6.492	6.492	(1.094)	21026	1.00000	1.04(a)
	78 Benzo(b)fluoranthene	252	6.743	6.743	(0.962)	15036	1.00000	0.633(a)
	79 Benzo(k)fluoranthene	252	6.759	6.759	(0.964)	20057	1.00000	1.12(a)
	80 Benzo(a)pyrene +	252	6.978	6.978	(0.995)	14821	1.00000	1.10(a)
*	81 Perylene-d12	264	7.010	7.010	(1.000)	430896	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.770	7.770	(1.309)	15636	1.00000	2.01(a)
	83 Dibenzo(a,h)anthracene	278	7.775	7.775	(1.109)	14387	1.00000	3.87(a)
	84 Benzo(g,h,i)perylene	276	7.936	7.936	(1.132)	15795	1.00000	1.01(a)
M	66 Total Methylphenol	108				20004	2.00000	2.04(a)
	91 Acetophenone	105	1.742	1.742	(1.208)	14027	1.00000	1.07(a)
	156 Caprolactam	113	2.555	2.555	(1.122)	3084	1.00000	2.92(a)
	157 Biphenyl	154	3.010	3.010	(1.322)	23088	1.00000	0.913(a)
	158 Atrazine	200	4.106	4.106	(0.968)	3521	1.00000	0.988(a)

QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

034758

Data File: /var/chem/MSSV5.i/2061211.s.b/d4454.d

Page 1

Date : 11-DEC-2006 06:45

Client ID: STD001

Instrument: MSSV5.i

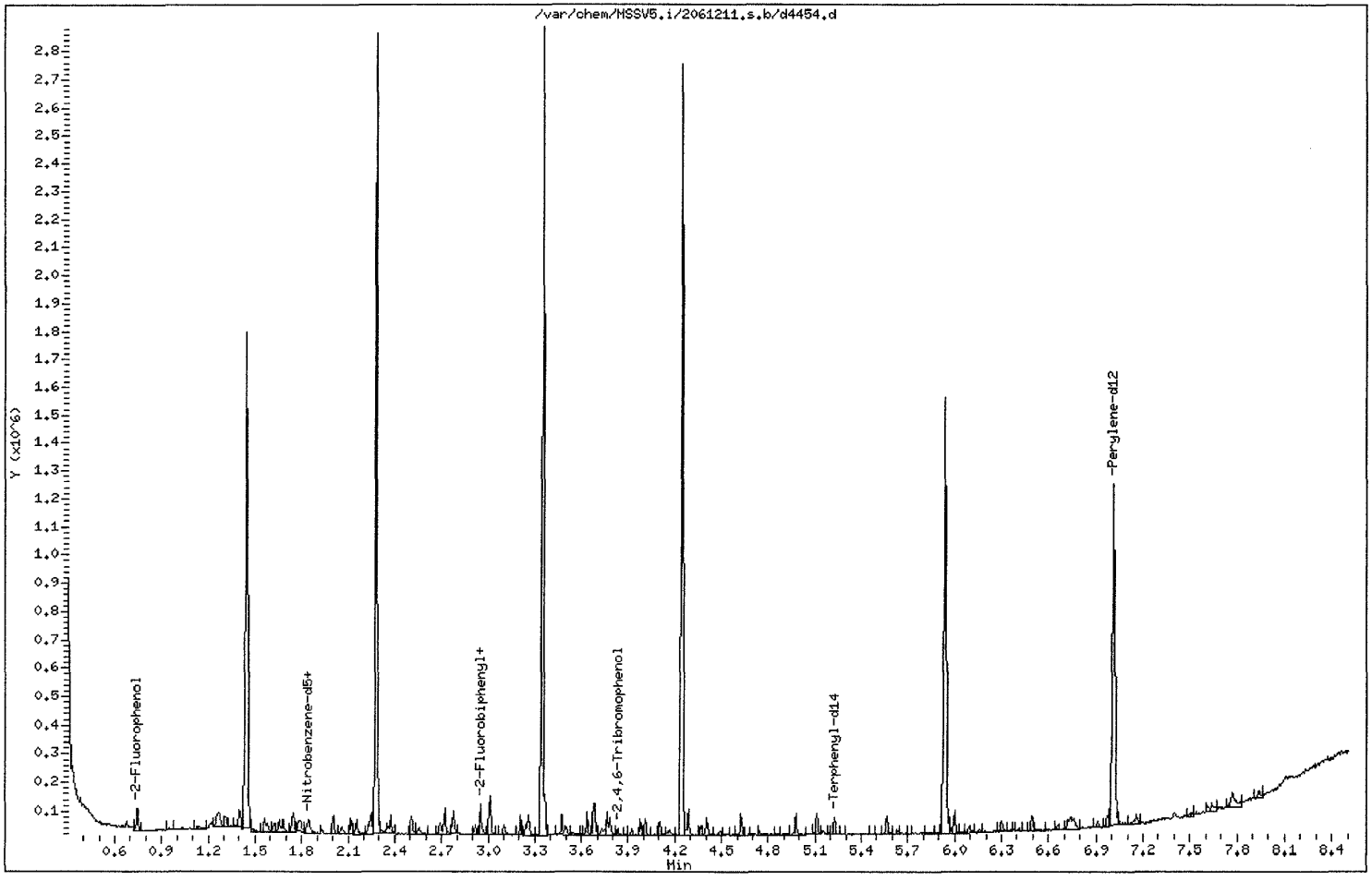
Sample Info: 1202*4-68-8

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

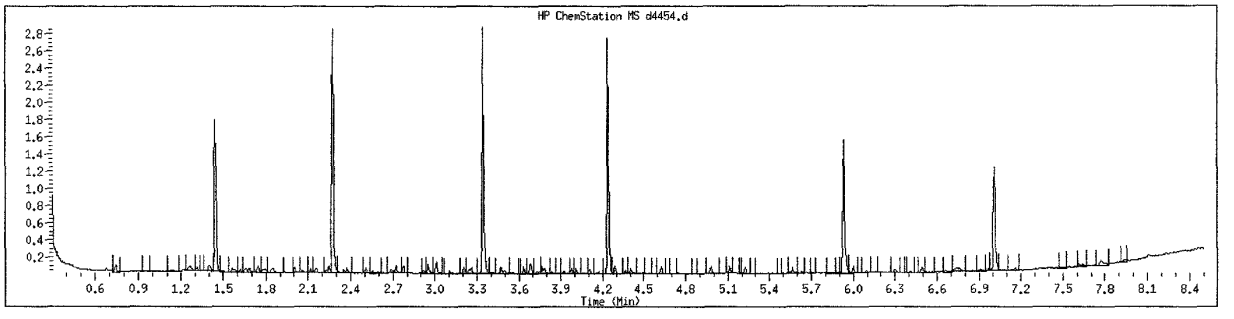
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4454.d Page: 1
Report Date: 12/11/2006 07:32

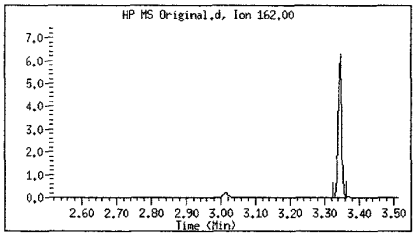
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1202 SampleType : CALIB_2
Injection Date: 11-DEC-2006 06:45 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1202*4-68-8
Misc Info : STD001*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



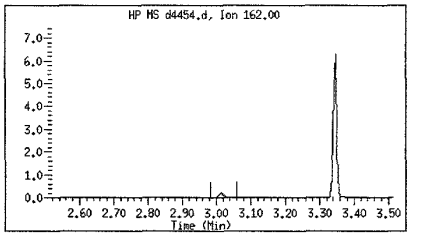
Original Final

38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M1

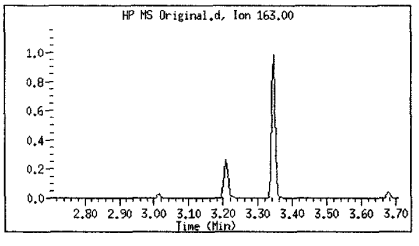


Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 06:58

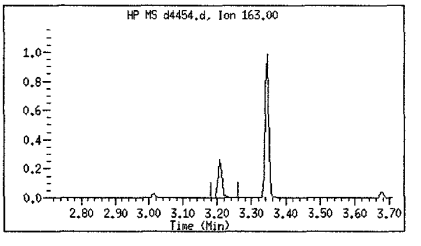


40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 06:58

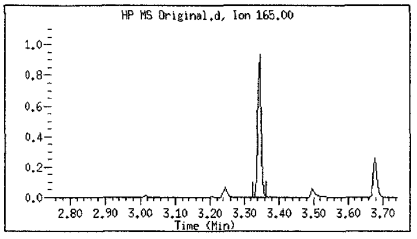


000672

034760

Original Final

41 2,6-Dinitrotoluene CAS#: 606-20-2 Reason: M1



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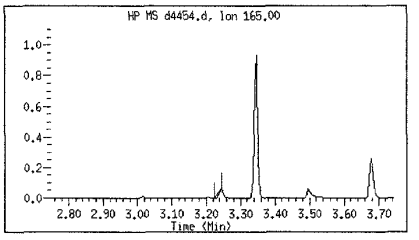
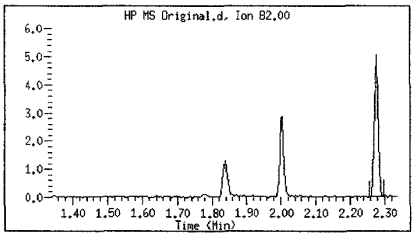
Date: 11-Dec-2006 06:58



$ 19 Nitrobenzene-d5 CAS#: 4165-60-0 Reason: M1



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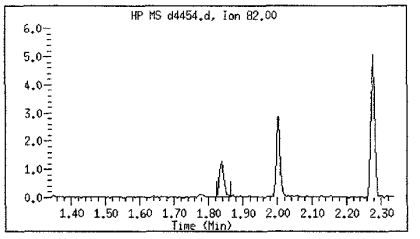
Date: 11-Dec-2006 06:57



M1- Compound response manually integrated because Target system did not integrate.

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4455.d
Lab Smp Id: 1201 Client Smp ID: STD0.2
Inj Date : 11-DEC-2006 07:00
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1201*4-68-9
Misc Info : STD0.2*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 08:58 rrr Quant Type: ISTD
Cal Date : 11-DEC-2006 07:00 Cal File: d4455.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: 8270C.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	AMOUNTS ON-COL (ppm)
$ 3	2-Fluorophenol	112	0.683	0.683	(0.473)	939	0.20000	0.219(a)
$ 4	Phenol-d5	99	1.266	1.277	(0.878)	2357	0.20000	0.239(a)
5	Aniline	93	1.218	1.234	(0.844)	2061	0.20000	4.49(a)
6	Phenol +	94	1.266	1.287	(0.878)	2083	0.20000	0.182(a)
7	bis(-2-Chloroethyl)Ether	63	1.277	1.287	(0.885)	1615	0.20000	0.204(a)
8	2-Chlorophenol	128	1.314	1.325	(0.911)	1633	0.20000	0.190(a)
9	1,3-Dichlorobenzene	146	1.400	1.411	(0.970)	2625	0.20000	0.261(a)
* 10	1,4-Dichlorobenzene-d4	152	1.443	1.453	(1.000)	212849	40.0000	
11	1,4-Dichlorobenzene +	146	1.453	1.469	(1.007)	2595	0.20000	0.258(a)
12	Benzyl alcohol	108	1.587	1.598	(1.100)	562	0.20000	0.0935(a)
13	1,2-Dichlorobenzene	146	1.566	1.571	(1.085)	2420	0.20000	0.250(a)
15	2-Methylphenol	108	1.683	1.699	(1.167)	1869	0.20000	0.209(a)
14	Bis(2-chloroisopropyl)ether	45	1.657	1.667	(1.148)	4437	0.20000	0.261(a)

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
16	N-Nitroso-di-n-propylamine++	70	1.747	1.780	(1.211)	2304	0.20000	2.12(a)
18	Hexachloroethane	117	1.774	1.785	(1.230)	942	0.20000	0.240(aM1)
20	Nitrobenzene	77	1.854	1.865	(0.816)	2690	0.20000	0.241(a)
21	Isophorone	82	2.004	2.026	(0.882)	6233	0.20000	0.309(a)
22	2-Nitrophenol +	139	2.218	2.063	(0.976)	144	0.20000	0.0306(a)
23	2,4-Dimethyphenol	107	2.117	2.133	(0.932)	2311	0.20000	0.247(a)
24	bis(-2-Chloroethoxy)methane	93	2.154	2.170	(0.948)	3632	0.20000	0.316(a)
25	Benzoic Acid	122	2.272	2.314	(1.000)	564	0.20000	2.39(a)
26	2,4-Dichlorophenol +	162	2.240	2.234	(0.986)	1061	0.20000	0.168(a)
27	1,2,4-Trichlorobenzene	180	2.245	2.256	(0.988)	1660	0.20000	0.227(a)
* 28	Naphthalene-d8	136	2.272	2.282	(1.000)	872488	40.0000	
29	Naphthalene	128	2.288	2.298	(1.007)	7626	0.20000	0.293(a)
31	Hexachlorobutadiene +	225	2.373	2.379	(1.045)	1023	0.20000	0.228(a)
32	4-Chloro-3-Methylphenol +	107	2.689	2.705	(1.184)	2377	0.20000	0.302(a)
33	2-Methylnaphthalene	142	2.721	2.726	(1.198)	4656	0.20000	0.260(a)
145	1-Methylnapthalene	142	2.774	2.785	(1.221)	3751	0.20000	0.251(a)
35	2,4,6-Trichlorophenol +	196	2.919	2.924	(0.874)	585	0.20000	0.143(a)
36	2,4,5-Trichlorphenol	196	2.962	2.956	(0.886)	682	0.20000	0.162(aH)
$ 37	2-Fluorobiphenyl	172	2.951	2.956	(0.883)	4341	0.20000	0.287(a)
38	2-Chloronaphthalene	162	3.015	3.020	(0.902)	3837	0.20000	0.284(aM1)
39	2-Nitroaniline	138	3.106	3.106	(0.930)	451	0.20000	0.0924(a)
40	Dimethylphthalate	163	3.208	3.218	(0.960)	3416	0.20000	0.229(aM1)
41	2,6-Dinitrotoluene	165	3.341	3.256	(1.000)	61887	0.20000	16.8
42	Acenaphthylene	152	3.256	3.266	(0.974)	5175	0.20000	0.289(a)
* 44	Acenaphthene-d10	164	3.341	3.347	(1.000)	470480	40.0000	
45	Acenaphthene +	153	3.357	3.373	(1.005)	4036	0.20000	0.261(a)
47	Dibenzofuran	168	3.475	3.480	(1.040)	5648	0.20000	0.280(a)
50	Diethylphthalate	149	3.630	3.652	(1.086)	4461	0.20000	0.296(a)
52	4-Chlorophenyl-phenylether	204	3.684	3.694	(1.102)	1926	0.20000	0.274(a)
51	Fluorene	166	3.678	3.684	(1.101)	4403	0.20000	0.264(aM1)
53	4-Nitroaniline	138	3.379	3.743	(1.011)	734	0.20000	1.44(a)
55	N-nitrosodiphenylamine (1)+	169	3.764	3.775	(0.889)	2963	0.20000	0.270(a)
56	Azobenzene	77	3.780	3.791	(0.893)	5556	0.20000	0.294(a)
$ 57	2,4,6-Tribromophenol	332	3.833	3.839	(1.147)	283	0.20000	0.128(a)
58	4-Bromophenyl-phenylether	248	3.978	3.983	(0.939)	916	0.20000	0.236(a)
59	Hexachlorobenzene	284	4.010	4.021	(0.947)	1528	0.20000	0.320(a)
* 61	Phenanthrene-d10	188	4.235	4.245	(1.000)	718481	40.0000	
62	Phenanthrene	178	4.251	4.261	(1.004)	6297	0.20000	0.285(a)
63	Anthracene	178	4.288	4.293	(1.013)	6152	0.20000	0.276(a)
64	Carbazole	167	4.406	4.406	(1.040)	5038	0.20000	0.281(a)
65	Di-n-butylphthalate	149	4.625	4.630	(1.092)	6784	0.20000	0.287(a)
67	Fluoranthene +	202	4.978	4.978	(1.176)	5778	0.20000	0.281(a)
68	Benzidine	184	5.096	5.165	(0.859)	627	0.20000	0.576(aM1)
69	Pyrene	202	5.112	5.117	(0.862)	5710	0.20000	0.290(a)
$ 70	Terphenyl-d14	244	5.219	5.229	(0.880)	3263	0.20000	0.271(a)
71	Butylbenzylphthalate	149	5.561	5.572	(0.938)	2943	0.20000	0.315(a)
73	3,3'-Dichlorobenzidine	252	5.935	5.941	(1.001)	1308	0.20000	0.265(a)

034763

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	493221	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.011)	4393	0.20000	0.405(a)
	75 Chrysene	228	5.952	5.968	(1.004)	5353	0.20000	0.339(a)
	77 Di-n-octylphthalate +	149	6.492	6.508	(1.095)	5523	0.20000	0.269(a)
	79 Benzo(k)fluoranthene	252	6.759	6.775	(0.965)	4718	0.20000	0.240(a)
	80 Benzo(a)pyrene +	252	6.973	6.984	(0.995)	4197	0.20000	0.266(a)
*	81 Perylene-d12	264	7.005	7.016	(1.000)	462802	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.770	7.775	(1.310)	4572	0.20000	1.33(a)
	83 Dibenzo(a,h)anthracene	278	7.775	7.786	(1.110)	3103	0.20000	3.20(a)
	84 Benzo(g,h,i)perylene	276	7.941	7.941	(1.134)	3102	0.20000	0.186(a)
M	66 Total Methylphenol	108				1869	0.40000	0.209(a)
	91 Acetophenone	105	1.742	1.758	(1.208)	2908	0.20000	0.242(a)
	157 Biphenyl	154	3.004	3.015	(1.323)	4603	0.20000	0.0898(aM1)
	158 Atrazine	200	4.106	4.122	(0.970)	774	0.20000	0.228(a)

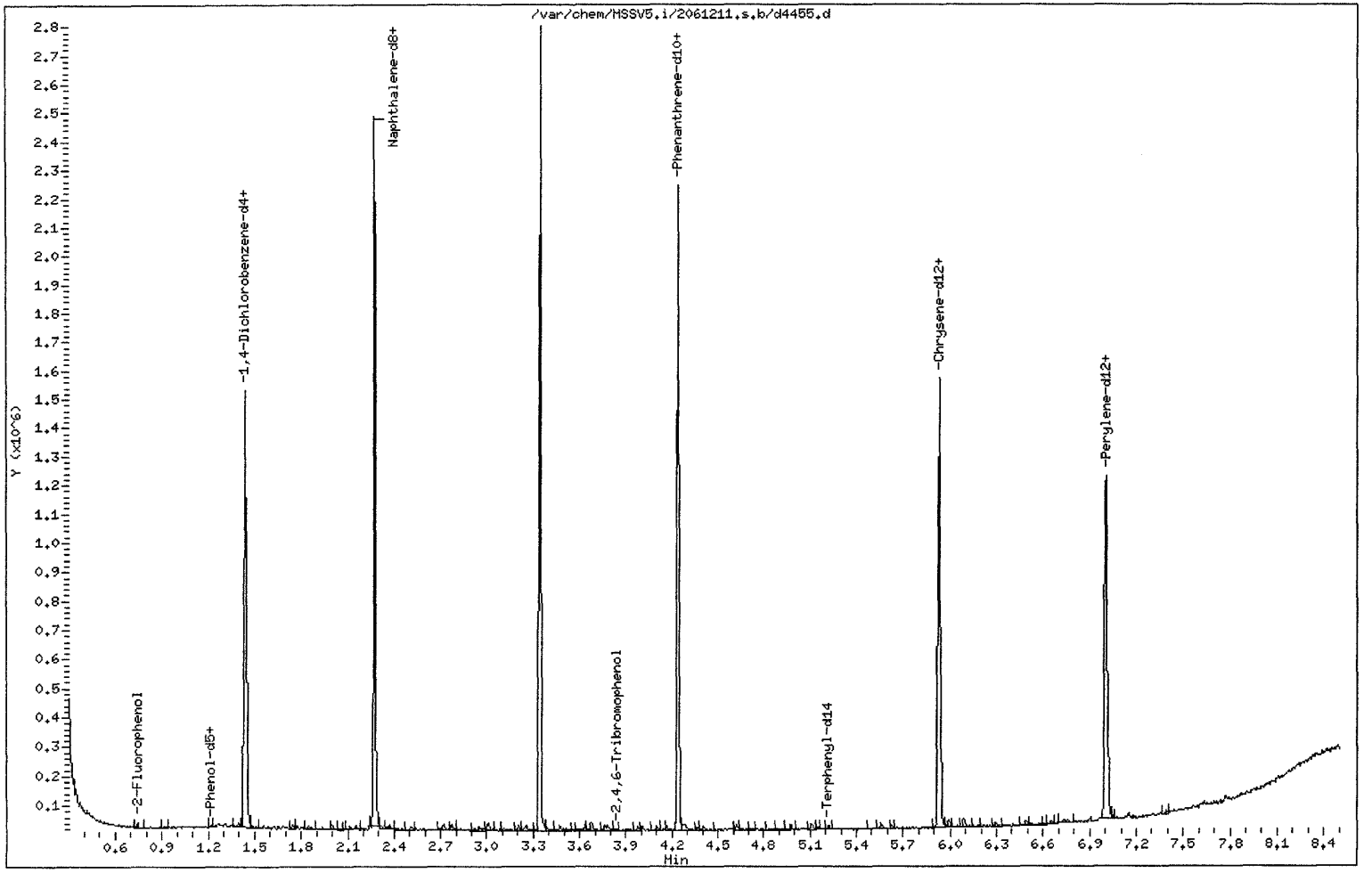
QC Flag Legend

a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).
M1- Compound response manually integrated because
Target system did not integrate.
H - Operator selected an alternate compound hit.

034764

Data File: /var/chem/MSSV5.i/2061211.s.b/d4455.d
Date : 11-DEC-2006 07:00
Client ID: STD0.2
Sample Info: 1201%4-68-9
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25



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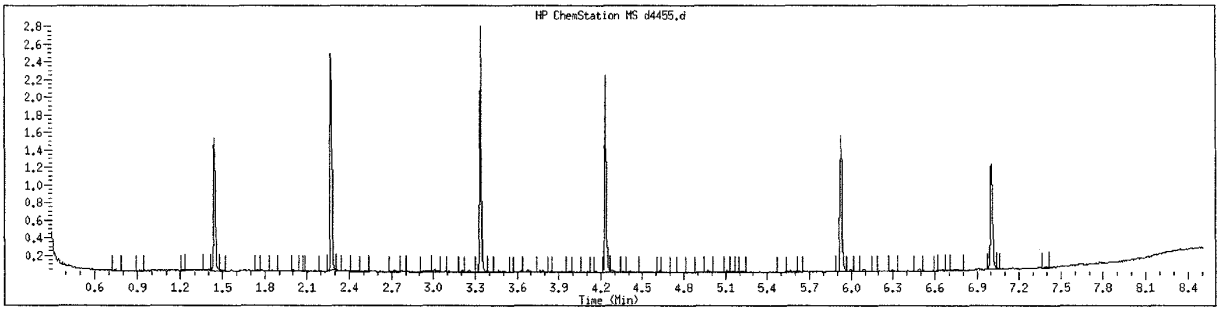
034765

Data file : /var/chem/MSSV5.i/2061211.s.b/d4455.d Page: 1
Report Date: 12/11/2006 10:36

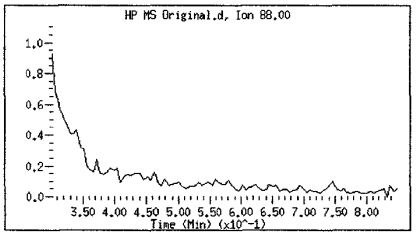
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1201 SampleType : CALIB_1
Injection Date: 11-DEC-2006 07:00 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1201*4-68-9
Misc Info : STD0.2*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



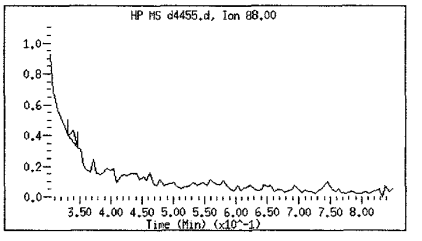
Original Final

174 1,4-Dioxane CAS#: 123-91-1 Reason: M1

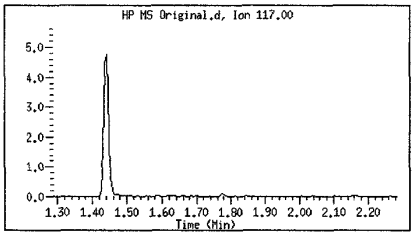


Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 07:30



18 Hexachloroethane CAS#: 67-72-1 Reason: M1



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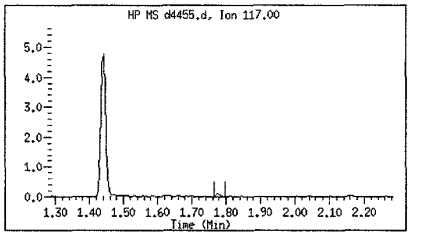
User: rrr
Date: 11-Dec-2006 07:28



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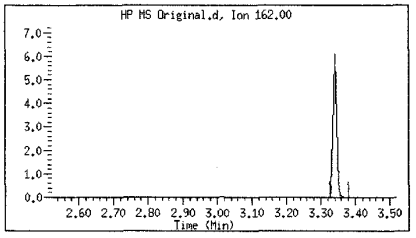
034766

Original Final

38 2-Chloronaphthalene CAS#: 91-58-7 Reason: M1



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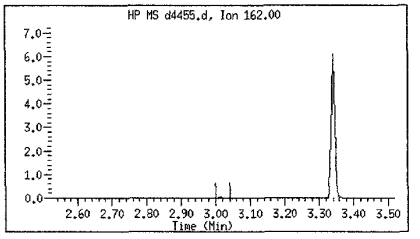
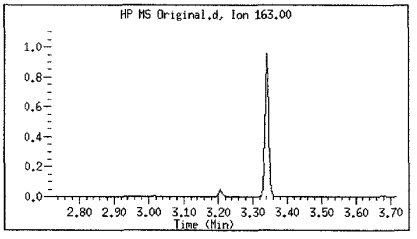
User: rrr
Date: 11-Dec-2006 07:29



40 Dimethylphthalate CAS#: 131-11-3 Reason: M1



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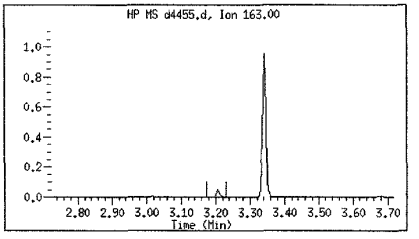
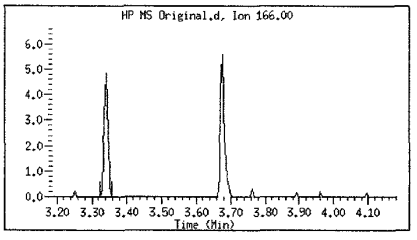
Date: 11-Dec-2006 07:29



51 Fluorene CAS#: 86-73-7 Reason: M1



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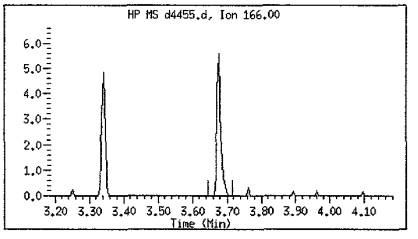
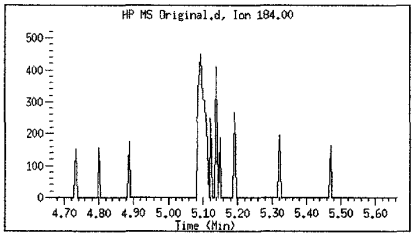
Date: 11-Dec-2006 07:29

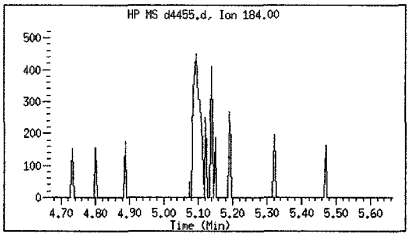


68 Benzidine CAS#: 92-87-5 Reason: M1

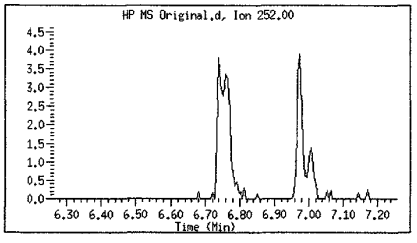


Electronic Signature Applied

User: jar3
Date: 11-Dec-2006 10:36

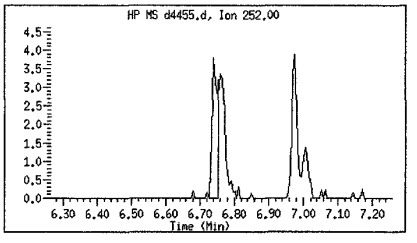


78 Benzo(b)fluoranthene CAS#: 205-99-2 Reason: M1



Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 07:30



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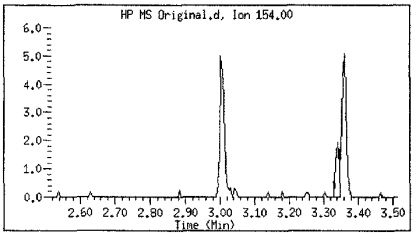
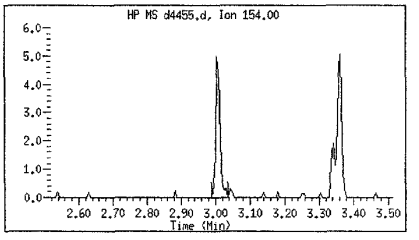
Original Final

157 Biphenyl CAS#: 92-52-4 Reason: M1



Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 07:30



M1- Compound response manually integrated because Target system did not integrate.

Report Date: 11-Dec-2006 10:37

GCAL, Inc.

RECOVERY REPORT

Client Name: 4-68-10 Client SDG: 2061211.s
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600 Client Smp ID: icv50
Level: LOW Operator: rrr
Data Type: MS DATA SampleType: LCS
SpikeList File: ICV75.spk Quant Type: ISTD
Sublist File: ICV.sub
Method File: /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Misc Info: icv50*MSSV~4095~*

SPIKE	COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
1	n-Nitrosodimethylamine	50.0	45.4	90.71	75-125
2	Pyridine	50.0	46.1	92.19	75-125
6	Phenol +	50.0	52.3	104.69	75-125
5	Aniline	50.0	40.5	81.06	75-125
7	bis(-2-Chloroethyl)Ether	50.0	51.8	103.60	75-125
8	2-Chlorophenol	50.0	50.8	101.53	75-125
9	1,3-Dichlorobenzene	50.0	49.7	99.40	75-125
11	1,4-Dichlorobenzene +	50.0	49.5	98.92	75-125
13	1,2-Dichlorobenzene	50.0	49.7	99.39	75-125
12	Benzyl alcohol	50.0	52.4	104.87	75-125
15	2-Methylphenol	50.0	50.6	101.30	75-125
14	Bis(2-chloroisopropyl)ether	50.0	51.3	102.56	75-125
17	3- & 4-Methylphenol	50.0	50.5	100.94	75-125
16	N-Nitroso-di-n-propylamine++	50.0	44.4	88.79	75-125
18	Hexachloroethane	50.0	49.8	99.66	75-125
20	Nitrobenzene	50.0	49.6	99.26	75-125
21	Isophorone	50.0	49.0	97.95	75-125
22	2-Nitrophenol +	50.0	51.4	102.87	75-125
23	2,4-Dimethyphenol	50.0	52.2	104.42	75-125
25	Benzoic Acid	50.0	58.1	116.28	75-125
24	bis(-2-Chloroethoxy)methane	50.0	50.0	99.98	75-125
26	2,4-Dichlorophenol +	50.0	52.5	104.93	75-125
27	1,2,4-Trichlorobenzene	50.0	48.1	96.27	75-125
29	Naphthalene	50.0	49.5	99.08	75-125
30	4-Chloroaniline	50.0	47.5	95.02	75-125
31	Hexachlorobutadiene +	50.0	47.8	95.57	75-125
32	4-Chloro-3-Methylphenol +	50.0	51.1	102.15	75-125
33	2-Methylnaphthalene	50.0	48.0	96.09	75-125
34	Hexachlorocyclopentadiene ++	50.0	48.7	97.30	75-125
35	2,4,6-Trichlorophenol +	50.0	52.0	104.02	75-125
36	2,4,5-Trichlorphenol	50.0	50.9	101.84	75-125
38	2-Chloronaphthalene	50.0	49.9	99.76	75-125
39	2-Nitroaniline	50.0	49.9	99.86	75-125

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SPIKE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
40 Dimethylphthalate	50.0	48.8	97.64	75-125
41 2,6-Dinitrotoluene	50.0	51.6	103.21	75-125
42 Acenaphthylene	50.0	43.6	87.29	75-125
43 3-Nitroaniline	50.0	50.3	100.56	75-125
45 Acenaphthene +	50.0	49.5	99.04	75-125
46 2,4-Dinitrophenol ++	50.0	47.4	94.79	75-125
49 4-Nitrophenol ++	50.0	48.3	96.67	75-125
48 2,4-Dinitrotoluene	50.0	49.6	99.13	75-125
47 Dibenzofuran	50.0	49.1	98.27	75-125
50 Diethylphthalate	50.0	48.5	97.02	75-125
51 Fluorene	50.0	49.2	98.37	75-125
52 4-Chlorophenyl-phenylether	50.0	49.4	98.71	75-125
55 N-nitrosodiphenylamine (1)+	50.0	50.5	100.96	75-125
53 4-Nitroaniline	50.0	42.8	85.57	75-125
54 4,6-Dinitro-o-cresol	50.0	48.7	97.36	75-125
56 Azobenzene	50.0	47.9	95.72	75-125
58 4-Bromophenyl-phenylether	50.0	48.7	97.37	75-125
59 Hexachlorobenzene	50.0	48.5	97.04	75-125
60 Pentachlorophenol +	50.0	47.4	94.80	75-125
62 Phenanthrene	50.0	48.1	96.17	75-125
63 Anthracene	50.0	47.5	95.09	75-125
65 Di-n-butylphthalate	50.0	47.6	95.18	75-125
67 Fluoranthene +	50.0	47.5	94.91	75-125
69 Pyrene	50.0	47.8	95.62	75-125
71 Butylbenzylphthalate	50.0	48.1	96.22	75-125
73 3,3'-Dichlorobenzidine	50.0	50.8	101.61	75-125
72 Benzo(a)anthracene	50.0	50.3	100.54	75-125
75 Chrysene	50.0	49.2	98.31	75-125
76 bis(2-Ethylhexyl)phthalate	50.0	48.8	97.58	75-125
77 Di-n-octylphthalate +	50.0	50.8	101.68	75-125
78 Benzo(b)fluoranthene	50.0	55.4	110.71	75-125
79 Benzo(k)fluoranthene	50.0	46.8	93.57	75-125
80 Benzo(a)pyrene +	50.0	46.5	93.07	75-125
82 Indeno(1,2,3-cd)pyrene	50.0	50.4	100.84	75-125
83 Dibenzo(a,h)anthracene	50.0	47.8	95.58	75-125
84 Benzo(g,h,i)perylene	50.0	50.1	100.29	75-125

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 3 2-Fluorophenol	50.0	50.1	100.12	80-120
$ 4 Phenol-d5	50.0	51.4	102.71	80-120
$ 19 Nitrobenzene-d5	50.0	50.3	100.67	80-120
$ 37 2-Fluorobiphenyl	50.0	49.4	98.86	80-120

SURROGATE COMPOUND	CONC ADDED ug/L	CONC RECOVERED ug/L	% RECOVERED	LIMITS
$ 57 2,4,6-Tribromophenol	50.0	49.7	99.45	80-120
$ 70 Terphenyl-d14	50.0	46.7	93.49	80-120

034771

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4456.d
Lab Smp Id: 1600 Client Smp ID: icv50
Inj Date : 11-DEC-2006 07:15
Operator : rrr Inst ID: MSSV5.i
Smp Info : 1600*4-68-10
Misc Info : icv50*MSSV~4095~*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 08:58 rrr Quant Type: ISTD
Cal Date : 11-DEC-2006 07:00 Cal File: d4455.d
Als bottle: 11 QC Sample: LCS
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: ICV.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

		Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/L)
	2	Pyridine	79	0.389	0.400	(0.270)	196429	46.0943	46.1
	1	n-Nitrosodimethylamine	42	0.384	0.394	(0.266)	68214	45.3538	45.4
$	3	2-Fluorophenol	112	0.678	0.683	(0.470)	235980	50.0591	50.1
$	4	Phenol-d5	99	1.245	1.266	(0.863)	556907	51.3546	51.4
	5	Aniline	93	1.213	1.218	(0.841)	382463	40.5284	40.5
	6	Phenol +	94	1.255	1.266	(0.870)	661216	52.3468	52.3
	7	bis(-2-Chloroethyl)Ether	63	1.272	1.277	(0.881)	452349	51.8001	51.8
	8	2-Chlorophenol	128	1.304	1.314	(0.904)	480440	50.7639	50.8
	9	1,3-Dichlorobenzene	146	1.400	1.400	(0.970)	550517	49.6984	49.7
*	10	1,4-Dichlorobenzene-d4	152	1.443	1.443	(1.000)	234540	40.0000	
	11	1,4-Dichlorobenzene +	146	1.453	1.453	(1.007)	548454	49.4607	49.5
	12	Benzyl alcohol	108	1.576	1.587	(1.093)	347320	52.4334	52.4
	13	1,2-Dichlorobenzene	146	1.560	1.566	(1.082)	530444	49.6935	49.7

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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	1.678	1.683	(1.163)	499167	50.6495	50.6
	14 Bis(2-chloroisopropyl)ether	45	1.657	1.657	(1.148)	961259	51.2789	51.3
	17 3- & 4-Methylphenol	108	1.785	1.806	(1.237)	494574	50.4705	50.5
	16 N-Nitroso-di-n-propylamine++	70	1.753	1.747	(1.215)	418178	44.3933	44.4
	18 Hexachloroethane	117	1.780	1.774	(1.234)	215894	49.8289	49.8
$	19 Nitrobenzene-d5	82	1.833	1.849	(0.805)	531376	50.3370	50.3
	20 Nitrobenzene	77	1.844	1.854	(0.810)	598351	49.6283	49.6
	21 Isophorone	82	2.004	2.004	(0.880)	1064496	48.9744	49.0
	22 2-Nitrophenol +	139	2.047	2.218	(0.899)	261182	51.4348	51.4
	23 2,4-Dimethyphenol	107	2.117	2.117	(0.930)	527396	52.2117	52.2
	24 bis(-2-Chloroethoxy)methane	93	2.154	2.154	(0.946)	619593	49.9917	50.0
	25 Benzoic Acid	122	2.250	2.272	(0.988)	239569	58.1384	58.1
	26 2,4-Dichlorophenol +	162	2.218	2.240	(0.974)	357220	52.4654	52.5
	27 1,2,4-Trichlorobenzene	180	2.245	2.245	(0.986)	380489	48.1350	48.1
*	28 Naphthalene-d8	136	2.277	2.272	(1.000)	941130	40.0000	
	29 Naphthalene	128	2.288	2.288	(1.005)	1391090	49.5390	49.5
	30 4-Chloroaniline	127	2.347	2.357	(1.031)	322743	47.5105	47.5
	31 Hexachlorobutadiene +	225	2.373	2.373	(1.042)	231633	47.7839	47.8
	32 4-Chloro-3-Methylphenol +	107	2.684	2.689	(1.179)	433948	51.0725	51.1
	33 2-Methylnaphthalene	142	2.716	2.721	(1.193)	926636	48.0457	48.0
	145 1-Methylnapthalene	142	2.775	2.774	(1.218)	752346	46.7326	46.7
	34 Hexachlorocyclopentadiene ++	237	2.812	2.817	(0.842)	192987	48.6517	48.7
	35 2,4,6-Trichlorophenol +	196	2.914	2.919	(0.872)	219350	52.0093	52.0
	36 2,4,5-Trichlorphenol	196	2.946	2.962	(0.882)	220117	50.9191	50.9
$	37 2-Fluorobiphenyl	172	2.951	2.951	(0.883)	770805	49.4314	49.4
	38 2-Chloronaphthalene	162	3.010	3.015	(0.901)	694874	49.8803	49.9
	39 2-Nitroaniline	138	3.095	3.106	(0.926)	250860	49.9281	49.9
	40 Dimethylphthalate	163	3.208	3.208	(0.960)	750880	48.8217	48.8
	41 2,6-Dinitrotoluene	165	3.245	3.341	(0.971)	196051	51.6059	51.6
	42 Acenaphthylene	152	3.256	3.256	(0.974)	805229	43.6447	43.6
	43 3-Nitroaniline	138	3.347	3.379	(1.002)	162636	50.2778	50.3
*	44 Acenaphthene-d10	164	3.341	3.341	(1.000)	484338	40.0000	
	45 Acenaphthene +	153	3.363	3.357	(1.006)	788512	49.5178	49.5
	46 2,4-Dinitrophenol ++	184	3.416	3.427	(1.022)	105728	47.3965	47.4(M1)
	49 4-Nitrophenol ++	109	3.502	3.513	(1.048)	104213	48.3345	48.3
	47 Dibenzofuran	168	3.470	3.475	(1.038)	1020788	49.1363	49.1
	48 2,4-Dinitrotoluene	165	3.486	3.502	(1.043)	246380	49.5675	49.6
	50 Diethylphthalate	149	3.636	3.630	(1.088)	753462	48.5115	48.5
	52 4-Chlorophenyl-phenylether	204	3.684	3.684	(1.102)	357338	49.3554	49.4
	51 Fluorene	166	3.673	3.678	(1.099)	842976	49.1862	49.2
	53 4-Nitroaniline	138	3.721	3.379	(1.114)	161326	42.7844	42.8
	54 4,6-Dinitro-o-cresol	198	3.737	3.753	(0.881)	141439	48.6782	48.7
	55 N-nitrosodiphenylamine (1)+	169	3.764	3.764	(0.888)	550038	50.4809	50.5
	56 Azobenzene	77	3.780	3.780	(0.891)	899945	47.8586	47.9
$	57 2,4,6-Tribromophenol	332	3.828	3.833	(1.146)	113212	49.7244	49.7
	58 4-Bromophenyl-phenylether	248	3.978	3.978	(0.938)	187712	48.6864	48.7
	59 Hexachlorobenzene	284	4.010	4.010	(0.946)	230352	48.5192	48.5

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	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/L)
	60 Pentachlorophenol +	266	4.144	4.154	(0.977)	136190	47.3995	47.4
*	61 Phenanthrene-d10	188	4.240	4.235	(1.000)	713938	40.0000	
	62 Phenanthrene	178	4.251	4.251	(1.003)	1057095	48.0867	48.1
	63 Anthracene	178	4.283	4.288	(1.010)	1054700	47.5464	47.5
	64 Carbazole	167	4.395	4.406	(1.037)	826155	46.3541	46.4
	65 Di-n-butylphthalate	149	4.625	4.625	(1.091)	1117473	47.5894	47.6
	67 Fluoranthene +	202	4.973	4.978	(1.173)	968326	47.4527	47.5
	68 Benzidine	184	5.133	5.096	(0.865)	6006	5.17034	5.17(aM1H)
	69 Pyrene	202	5.107	5.112	(0.860)	1002433	47.8095	47.8
$	70 Terphenyl-d14	244	5.219	5.219	(0.879)	599488	46.7434	46.7
	71 Butylbenzylphthalate	149	5.561	5.561	(0.937)	479377	48.1100	48.1
	73 3,3'-Dichlorobenzidine	252	5.930	5.935	(0.999)	267067	50.8065	50.8
	72 Benzo(a)anthracene	228	5.925	5.925	(0.998)	856592	50.2699	50.3
*	74 Chrysene-d12	240	5.936	5.930	(1.000)	525953	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	6.000	5.994	(1.011)	641476	48.7924	48.8
	75 Chrysene	228	5.952	5.952	(1.003)	827449	49.1558	49.2
	77 Di-n-octylphthalate +	149	6.492	6.492	(1.094)	1111928	50.8410	50.8
	78 Benzo(b)fluoranthene	252	6.732	6.738	(0.961)	907475	55.3536	55.4
	79 Benzo(k)fluoranthene	252	6.754	6.759	(0.964)	924959	46.7842	46.8
	80 Benzo(a)pyrene +	252	6.962	6.973	(0.994)	736653	46.5336	46.5
*	81 Perylene-d12	264	7.005	7.005	(1.000)	465095	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.749	7.770	(1.305)	999311	50.4201	50.4
	83 Dibenzo(a,h)anthracene	278	7.759	7.775	(1.108)	863555	47.7884	47.8
	84 Benzo(g,h,i)perylene	276	7.915	7.941	(1.130)	839020	50.1454	50.1
M	66 Total Methylphenol	108				993741	101.120	101
	91 Acetophenone	105	1.737	1.742	(1.204)	649734	49.0713	49.1
	155 Benzaldehyde	77	1.116	1.127	(0.774)	245705	70.8830	70.9
	156 Caprolactam	113	2.593	2.641	(1.139)	138994	42.4545	42.5
	157 Biphenyl	154	3.005	3.004	(1.319)	908689	47.5915	47.6
	158 Atrazine	200	4.106	4.106	(0.968)	148004	43.9066	43.9

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.

034774

Data File: /var/chem/MSSV5.i/2061211.s.b/d4456.d

Date : 11-DEC-2006 07:15

Client ID: icv50

Instrument: MSSV5.i

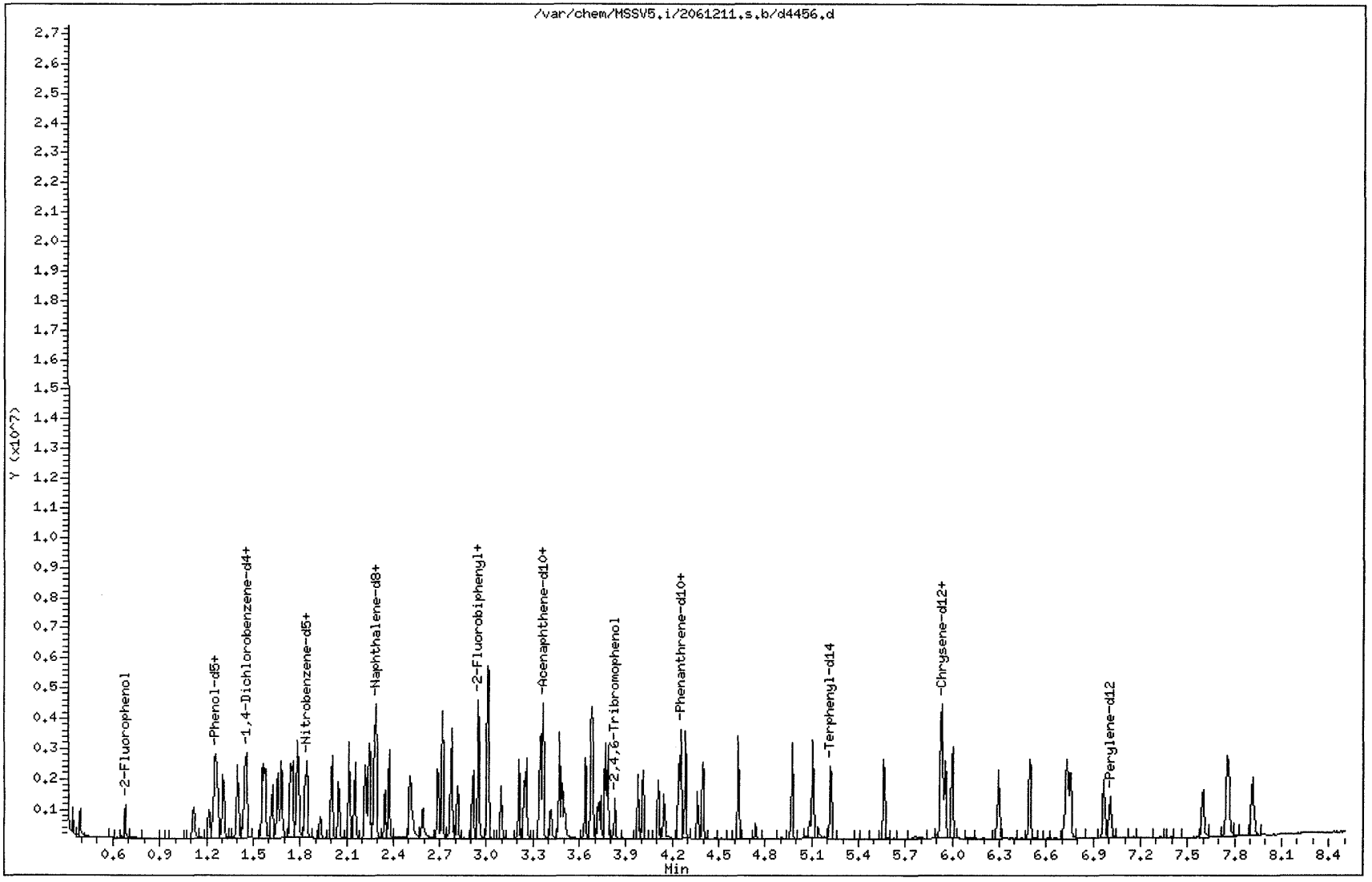
Sample Info: 1600*4-68-10

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

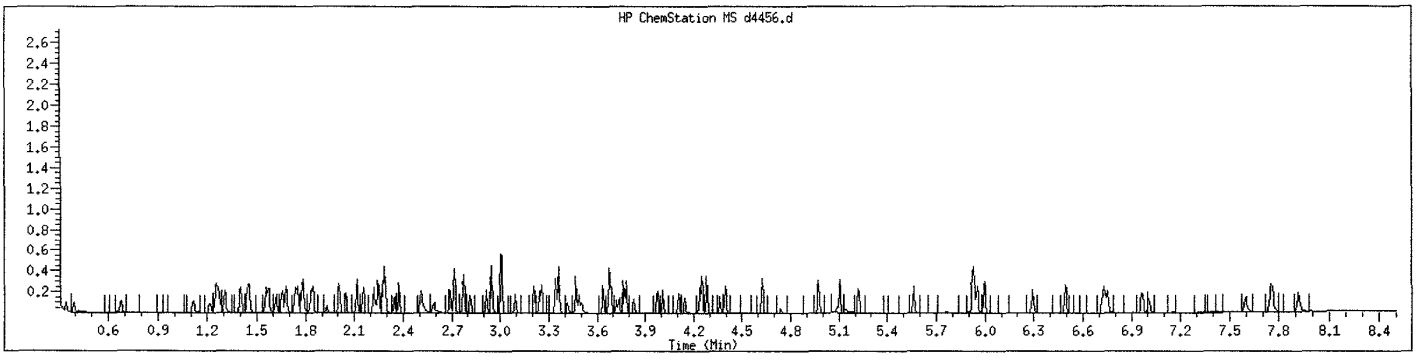
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4456.d Page: 1
Report Date: 12/11/2006 10:37

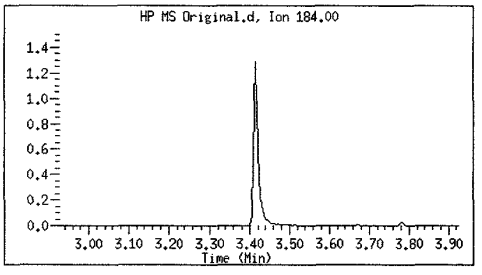
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1600 SampleType : LCS
Injection Date: 11-DEC-2006 07:15 Instrument : MSSV5.i
Operator : rrr
Sample Info : 1600*4-68-10
Misc Info : icv50*MSSV~4095~*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: ICV



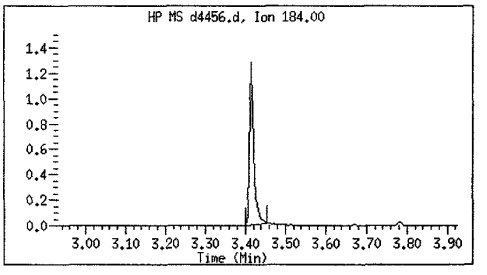
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

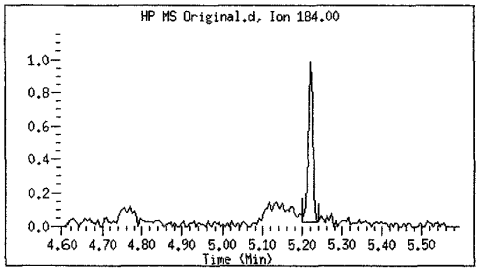


Electronic Signature Applied

User: rrr
Date: 11-Dec-2006 08:59

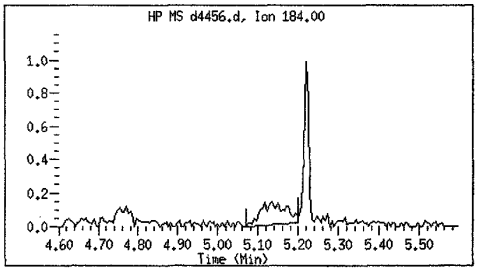


68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature Applied

User: jar3
Date: 11-Dec-2006 10:37



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034776

M1- Compound response manually integrated because
Target system did not integrate.

034777

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 13-DEC-2006 10:09
Lab File ID: d4530.d Init. Cal. Date(s): 20-NOV-2006 11-DEC-2006
Analysis Type: WATER Init. Cal. Times: 09:11 07:00
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2061213.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
2 Pyridine	0.72678	0.45347	0.45347	0.050	-37.60512	30.00000	Averaged	<-
1 n-Nitrosodimethylamine	0.25651	0.19409	0.19409	0.050	-24.33252	30.00000	Averaged	
$ 3 2-Fluorophenol	0.80396	0.81993	0.81993	0.050	1.98598	30.00000	Averaged	
$ 4 Phenol-d5	1.84946	2.01418	2.01418	0.050	8.90593	30.00000	Averaged	
5 Aniline	59.59384	50.00000	1.70347	0.050	19.18769	30.00000	Quadratic	
6 Phenol +	2.15425	2.41992	2.41992	0.050	12.33240	20.00000	Averaged	
7 bis(-2-Chloroethyl)Ether	1.48931	1.58906	1.58906	0.050	6.69734	30.00000	Averaged	
8 2-Chlorophenol	1.61409	1.70946	1.70946	0.050	5.90893	30.00000	Averaged	
9 1,3-Dichlorobenzene	1.88917	1.88993	1.88993	0.050	0.04015	30.00000	Averaged	
11 1,4-Dichlorobenzene +	1.89114	1.89121	1.89121	0.050	0.00376	20.00000	Averaged	
12 Benzyl alcohol	1.12970	1.32096	1.32096	0.050	16.92989	30.00000	Averaged	
13 1,2-Dichlorobenzene	1.82047	1.82318	1.82318	0.050	0.14906	30.00000	Averaged	
15 2-Methylphenol	1.68079	1.79833	1.79833	0.050	6.99294	30.00000	Averaged	
14 Bis(2-chloroisopropyl)ether	3.19702	3.22972	3.22972	0.050	1.02295	30.00000	Averaged	
17 3- & 4-Methylphenol	1.67123	1.80714	1.80714	0.050	8.13228	30.00000	Averaged	
16 N-Nitroso-di-n-propylamine+	46.36994	50.00000	1.47847	0.050	-7.26012	30.00000	Quadratic	
18 Hexachloroethane	0.73893	0.72006	0.72006	0.050	-2.55322	30.00000	Averaged	
$ 19 Nitrobenzene-d5	0.44867	0.45122	0.45122	0.050	0.56847	30.00000	Averaged	
20 Nitrobenzene	0.51243	0.50558	0.50558	0.050	-1.33798	30.00000	Averaged	
21 Isophorone	0.92382	0.91735	0.91735	0.050	-0.70023	30.00000	Averaged	
22 2-Nitrophenol +	0.21582	0.22392	0.22392	0.050	3.75041	20.00000	Averaged	
23 2,4-Dimethyphenol	0.42932	0.45271	0.45271	0.050	5.44934	30.00000	Averaged	
24 bis(-2-Chloroethoxy)methane	0.52677	0.53203	0.53203	0.050	0.99990	30.00000	Averaged	
25 Benzoic Acid	39.09178	50.00000	0.13424	0.050	-21.81645	30.00000	Linear	
26 2,4-Dichlorophenol +	0.28938	0.30556	0.30556	0.050	5.59036	20.00000	Averaged	
27 1,2,4-Trichlorobenzene	0.33596	0.32190	0.32190	0.050	-4.18705	30.00000	Averaged	
29 Naphthalene	1.19349	1.18579	1.18579	0.050	-0.64498	30.00000	Averaged	
30 4-Chloroaniline	58.31392	50.00000	0.32398	0.050	16.62783	30.00000	Quadratic	
31 Hexachlorobutadiene +	0.20603	0.19698	0.19698	0.050	-4.39099	20.00000	Averaged	
32 4-Chloro-3-Methylphenol +	0.36113	0.36643	0.36643	0.050	1.46895	20.00000	Averaged	
33 2-Methylnaphthalene	0.81972	0.78759	0.78759	0.050	-3.91977	30.00000	Averaged	
145 1-Methylnapthalene	0.68424	0.65428	0.65428	0.050	-4.37775	30.00000	Averaged	
34 Hexachlorocyclopentadiene +	51.91802	50.00000	0.34371	0.050	3.83605	30.00000	Quadratic	
35 2,4,6-Trichlorophenol +	0.34831	0.36662	0.36662	0.050	5.25607	20.00000	Averaged	
36 2,4,5-Trichlorphenol	0.35701	0.36797	0.36797	0.050	3.06968	30.00000	Averaged	
$ 37 2-Fluorobiphenyl	1.28781	1.28732	1.28732	0.050	-0.03851	30.00000	Averaged	

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GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 13-DEC-2006 10:09
Lab File ID: d4530.d Init. Cal. Date(s): 20-NOV-2006 11-DEC-2006
Analysis Type: WATER Init. Cal. Times: 09:11 07:00
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2061213.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
38 2-Chloronaphthalene	1.15050	1.15480	1.15480	0.050	0.37338	30.00000	Averaged	
39 2-Nitroaniline	0.41495	0.41496	0.41496	0.050	0.00135	30.00000	Averaged	
40 Dimethylphthalate	1.27019	1.19535	1.19535	0.050	-5.89243	30.00000	Averaged	
41 2,6-Dinitrotoluene	0.31375	0.31006	0.31006	0.050	-1.17697	30.00000	Averaged	
42 Acenaphthylene	1.52370	1.32487	1.32487	0.050	-13.04935	30.00000	Averaged	
43 3-Nitroaniline	54.05325	50.00000	0.28644	0.050	8.10650	30.00000	Quadratic	
45 Acenaphthene +	1.31510	1.29856	1.29856	0.050	-1.25740	20.00000	Averaged	
46 2,4-Dinitrophenol ++	0.18423	0.14759	0.14759	0.050	-19.88817	30.00000	Averaged	
49 4-Nitrophenol ++	0.17806	0.16233	0.16233	0.050	-8.83553	30.00000	Averaged	
47 Dibenzofuran	1.71571	1.67512	1.67512	0.050	-2.36598	30.00000	Averaged	
48 2,4-Dinitrotoluene	0.41051	0.38762	0.38762	0.050	-5.57422	30.00000	Averaged	
50 Diethylphthalate	1.28271	1.17038	1.17038	0.050	-8.75710	30.00000	Averaged	
52 4-Chlorophenyl-phenylether	0.59794	0.57812	0.57812	0.050	-3.31495	30.00000	Averaged	
51 Fluorene	1.41541	1.35624	1.35624	0.050	-4.18032	30.00000	Averaged	
53 4-Nitroaniline	43.66153	50.00000	0.27110	0.050	-12.67694	30.00000	Quadratic	
54 4,6-Dinitro-o-cresol	0.16279	0.14649	0.14649	0.050	-10.01240	30.00000	Averaged	
55 N-nitrosodiphenylamine (1)+	0.61047	0.63245	0.63245	0.050	3.60104	20.00000	Averaged	
56 Azobenzene	1.05355	1.09048	1.09048	0.050	3.50558	30.00000	Averaged	
$ 57 2,4,6-Tribromophenol	0.18803	0.18003	0.18003	0.050	-4.25794	30.00000	Averaged	
58 4-Bromophenyl-phenylether	0.21602	0.21548	0.21548	0.050	-0.24601	30.00000	Averaged	
59 Hexachlorobenzene	0.26600	0.26540	0.26540	0.050	-0.22593	30.00000	Averaged	
60 Pentachlorophenol +	0.16098	0.14529	0.14529	0.050	-9.74776	20.00000	Averaged	
62 Phenanthrene	1.23165	1.17562	1.17562	0.050	-4.54947	30.00000	Averaged	
63 Anthracene	1.24283	1.18274	1.18274	0.050	-4.83428	30.00000	Averaged	
64 Carbazole	0.99856	0.91230	0.91230	0.050	-8.63788	30.00000	Averaged	
65 Di-n-butylphthalate	1.31561	1.15514	1.15514	0.050	-12.19742	30.00000	Averaged	
67 Fluoranthene +	1.14330	0.98538	0.98538	0.050	-13.81262	20.00000	Averaged	
68 Benzidine	0.01075	0.00906	0.00906	0.050	-15.75476	30.00000	Averaged	<-
69 Pyrene	1.59461	1.72985	1.72985	0.050	8.48111	30.00000	Averaged	
$ 70 Terphenyl-d14	0.97538	1.01047	1.01047	0.050	3.59805	30.00000	Averaged	
71 Butylbenzylphthalate	0.75780	0.70462	0.70462	0.050	-7.01833	30.00000	Averaged	
73 3,3'-Dichlorobenzidine	0.39977	0.38007	0.38007	0.050	-4.92763	30.00000	Averaged	
72 Benzo(a)anthracene	47.95339	50.00000	1.24332	0.050	-4.09322	30.00000	Linear	
76 bis(2-Ethylhexyl)phthalate	43.13215	50.00000	0.86726	0.050	-13.73570	30.00000	Quadratic	
75 Chrysene	1.28020	1.31590	1.31590	0.050	2.78830	30.00000	Averaged	
77 Di-n-octylphthalate +	1.66332	1.39844	1.39844	0.050	-15.92489	20.00000	Averaged	

034779

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: MSSV5.i Injection Date: 13-DEC-2006 10:09
Lab File ID: d4530.d Init. Cal. Date(s): 20-NOV-2006 11-DEC-2006
Analysis Type: WATER Init. Cal. Times: 09:11 07:00
Lab Sample ID: 1400 Quant Type: ISTD
Method: /var/chem/MSSV5.i/2061213.s.b/8270CE_05.m

COMPOUND	RRF / AMOUNT	RF50	CCAL RRF50	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
78 Benzo(b)fluoranthene	54.62845	50.00000	1.53961	0.050	9.25691	30.00000	Quadratic	
79 Benzo(k)fluoranthene	1.70036	1.49887	1.49887	0.050	-11.85016	30.00000	Averaged	
80 Benzo(a)pyrene +	1.36149	1.24476	1.24476	0.050	-8.57344	20.00000	Averaged	
82 Indeno(1,2,3-cd)pyrene	50.75838	50.00000	1.53092	0.050	1.51675	30.00000	Quadratic	
83 Dibenzo(a,h)anthracene	47.48979	50.00000	1.47547	0.050	-5.02042	30.00000	Linear	
84 Benzo(g,h,i)perylene	1.43900	1.52437	1.52437	0.050	5.93313	30.00000	Averaged	
M 66 Total Methylphenol	1.67601	1.80274	1.80274	0.050	7.56099	30.00000	Averaged	
91 Acetophenone	2.25814	2.32147	2.32147	0.050	2.80434	30.00000	Averaged	
155 Benzaldehyde	85.50654	50.00000	0.97142	0.050	71.01309	30.00000	Linear	<-
156 Caprolactam	41.29467	50.00000	0.11563	0.050	-17.41066	30.00000	Quadratic	
157 Biphenyl	47.98486	50.00000	0.77819	0.050	-4.03028	30.00000	Quadratic	
158 Atrazine	0.18886	0.15348	0.15348	0.050	-18.73246	30.00000	Averaged	
174 1,4-Dioxane	55.65521	50.00000	0.35608	0.050	11.31042	30.00000	Quadratic	

Average %D / Drift Results.

Calculated Average %D/Drift = 7.88806
Maximun Average %D/Drift = 30.00000
* Passed Average %D/Drift Test.

GCAL, Inc.

Data file : /var/chem/MSSV5.i/2061213.s.b/d4528.d
Lab Smp Id: 1100 Client Smp ID: DFTPP
Inj Date : 13-DEC-2006 09:39
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1100*4-55-15*
Misc Info : DFTPP*MSSV~4102~*
Comment :
Method : /var/chem/MSSV5.i/2061213.s.b/dftpp_05.m
Meth Date : 20-Nov-2006 07:33 jar3 Quant Type: ESTD
Cal Date : Cal File:
Als bottle: 1 QC Sample: DFTPP
Dil Factor: 1.00000
Integrator: HP RTE Compound Sublist: all.sub
Target Version: 3.50 Sample Matrix: WATER
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

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		
4.433	4.568	-0.135	198	211597			100.00- 100.00	100.00
4.433	4.568	-0.135	51	92600			30.00- 60.00	43.76
4.433	4.568	-0.135	68	1481			0.00- 2.00	1.62
4.433	4.568	-0.135	69	91643			0.00- 0.00	43.31
4.433	4.568	-0.135	70	480			0.00- 2.00	0.52
4.433	4.568	-0.135	127	101928			40.00- 60.00	48.17
4.433	4.568	-0.135	197	910			0.00- 1.00	0.43
4.433	4.568	-0.135	199	13937			5.00- 9.00	6.59
4.433	4.568	-0.135	275	48934			10.00- 30.00	23.13
4.433	4.568	-0.135	365	6246			1.00- 0.00	2.95
4.433	4.568	-0.135	441	30376			0.01- 99.99	77.62
4.433	4.568	-0.135	442	207418			40.00- 100.00	98.03

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RT	EXP RT	DLT RT	MASS	RESPONSE	CONCENTRATIONS ON-COL (ug/L)	CONCENTRATIONS FINAL (ug/L)	TARGET RANGE	RATIO
1 dftpp (continued)								
4.433	4.568	-0.135	443	39136			17.00- 23.00	18.87

Data File: /var/chem/MSSV5.i/2061213.s.b/d4528.d

Page 1

Date : 13-DEC-2006 09:39

Client ID: DFTPP

Instrument: MSSV5.i

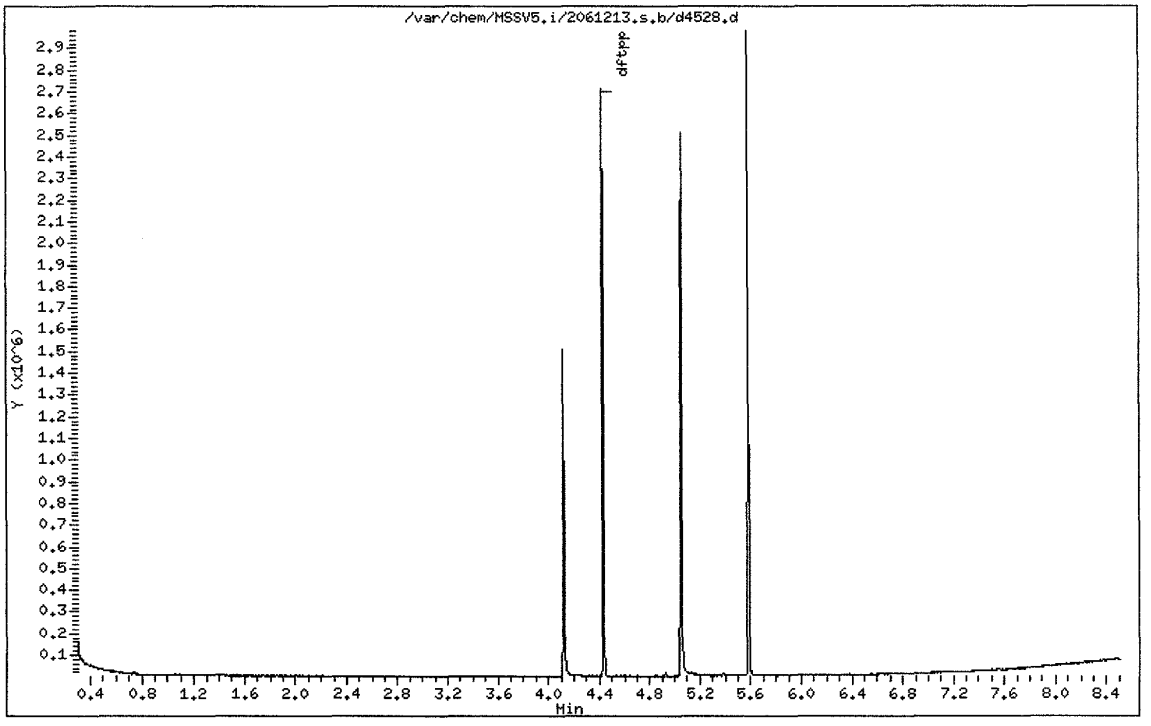
Sample Info: 1100x4-55-15x

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 2.00



Data File: /var/chem/MSSV5.i/2061213.s.b/d4528.d

Date : 13-DEC-2006 09:39

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100x4-55-15x

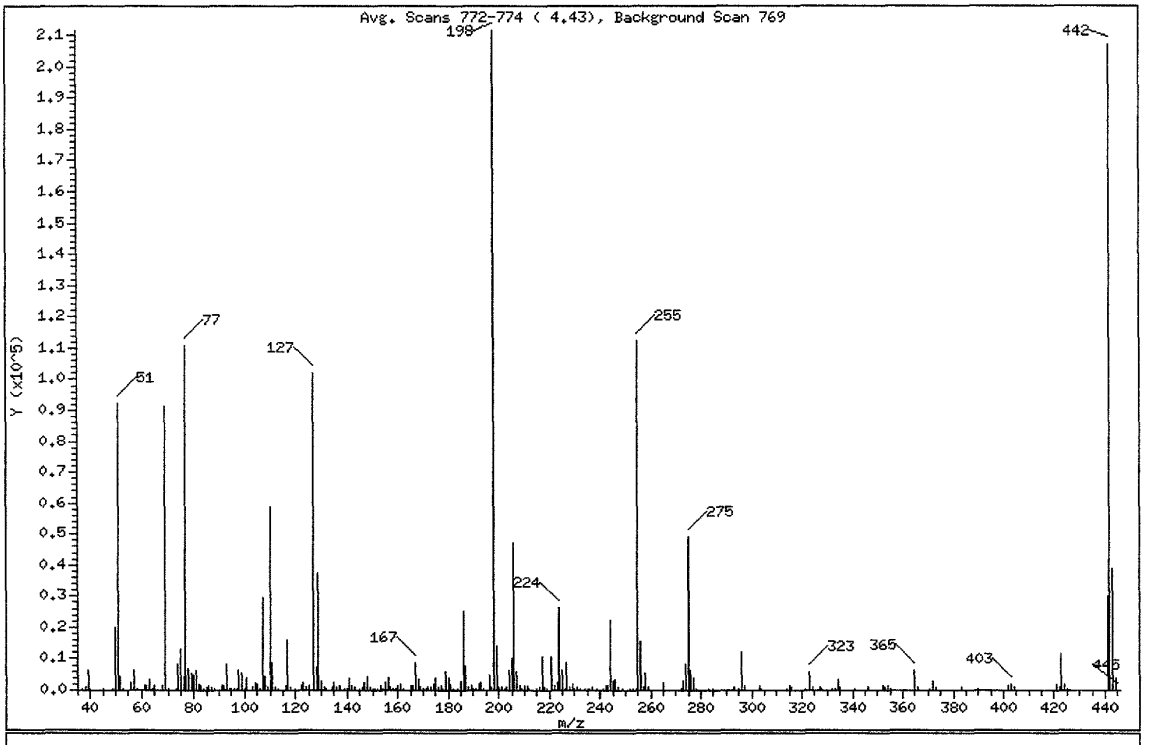
Volume Injected (uL): 1.0

Operator: jar3

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	43.76
68	Less than 2.00% of mass 69	0.70 (1.62)
69	Mass 69 relative abundance	43.31
70	Less than 2.00% of mass 69	0.23 (0.52)
127	40.00 - 60.00% of mass 198	48.17
197	Less than 1.00% of mass 198	0.43
199	5.00 - 9.00% of mass 198	6.59
275	10.00 - 30.00% of mass 198	23.13
365	Greater than 1.00% of mass 198	2.95
441	Present, but less than mass 443	14.36
442	40.00 - 100.00% of mass 198	98.03
443	17.00 - 23.00% of mass 442	18.50 (18.87)

Data File: /var/chem/MSSV5.i/2061213.s.b/d4528.d

Date : 13-DEC-2006 09:39

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100x4-55-15x

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d4528.d
Spectrum: Avg. Scans 772-774 (4.43), Background Scan 769
Location of Maximum: 198.00
Number of points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
36.00	114	124.00	898	202.00	340	289.00	100
37.00	244	125.00	1340	203.00	1211	290.00	122
38.00	848	127.00	101928	204.00	6218	292.00	180
39.00	6171	128.00	7152	205.00	10082	293.00	1080
40.00	254	129.00	37320	206.00	47112	294.00	233
41.00	155	130.00	2766	207.00	5915	295.00	297
42.00	57	131.00	771	208.00	1611	296.00	12018
45.00	303	132.00	345	209.00	346	297.00	1568
49.00	394	133.00	181	210.00	1282	298.00	134
50.00	20176	134.00	962	211.00	1669	299.00	51
51.00	92600	135.00	2672	212.00	350	301.00	232
52.00	4608	136.00	1082	213.00	51	302.00	149
53.00	257	137.00	1399	214.00	51	303.00	1598
54.00	61	138.00	186	215.00	506	304.00	443
55.00	224	139.00	364	216.00	916	308.00	146
56.00	2614	140.00	338	217.00	10734	309.00	91
57.00	6196	141.00	4042	218.00	1016	310.00	116
58.00	266	142.00	1594	219.00	250	313.00	206
59.00	105	143.00	1030	220.00	202	314.00	563
61.00	1243	144.00	184	221.00	10569	315.00	1426
62.00	1280	145.00	344	222.00	1487	316.00	1037
63.00	3492	146.00	818	223.00	2609	317.00	51
64.00	558	147.00	2364	224.00	26128	320.00	106
65.00	1693	148.00	4260	225.00	6545	321.00	535
66.00	78	149.00	881	226.00	585	322.00	183
68.00	1481	150.00	295	227.00	8996	323.00	5697
69.00	91640	151.00	624	228.00	1086	324.00	1144
70.00	480	152.00	448	229.00	2002	326.00	77
73.00	496	153.00	1322	230.00	254	327.00	732
74.00	8232	154.00	724	231.00	1156	328.00	401
75.00	13194	155.00	2297	232.00	276	332.00	454
76.00	4540	156.00	3880	233.00	165	333.00	583
77.00	110720	157.00	886	234.00	624	334.00	3383
78.00	6913	158.00	693	235.00	664	335.00	978
79.00	5366	159.00	590	236.00	568	336.00	55

Data File: /var/chem/MSSV5.i/2061213.s.b/d4528.d

Date : 13-DEC-2006 09:39

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100x4-55-15x

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d4528.d
Spectrum: Avg. Scans 772-774 (4.43), Background Scan 769
Location of Maximum: 198.00
Number of points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
80.00	4667	160.00	1392	237.00	780	339.00	54
81.00	6459	161.00	2162	239.00	329	341.00	591
82.00	1843	162.00	635	240.00	237	342.00	175
83.00	1442	163.00	190	241.00	478	346.00	1044
84.00	268	164.00	168	242.00	1643	347.00	200
85.00	967	165.00	1607	243.00	1340	350.00	50
86.00	1611	166.00	1436	244.00	22304	352.00	1495
87.00	766	167.00	8526	245.00	3132	353.00	910
88.00	431	168.00	3636	246.00	3597	354.00	1644
89.00	53	169.00	766	247.00	856	355.00	365
91.00	1509	170.00	414	248.00	166	359.00	93
92.00	1641	171.00	278	249.00	699	365.00	6246
93.00	8254	172.00	855	250.00	80	366.00	1045
94.00	664	173.00	1039	251.00	155	367.00	54
95.00	289	174.00	1814	252.00	323	370.00	135
96.00	517	175.00	3742	253.00	421	371.00	418
97.00	282	176.00	935	254.00	588	372.00	2693
98.00	6094	177.00	1690	255.00	112152	373.00	756
99.00	5590	178.00	452	256.00	15665	374.00	57
100.00	626	179.00	6001	257.00	1102	383.00	1018
101.00	4048	180.00	4070	258.00	5588	384.00	240
102.00	241	181.00	2175	259.00	1085	390.00	435
103.00	1216	182.00	405	260.00	90	391.00	235
104.00	2369	183.00	210	261.00	54	392.00	164
105.00	2034	184.00	479	264.00	190	401.00	179
106.00	721	185.00	3040	265.00	2409	402.00	1256
107.00	29752	186.00	25336	266.00	190	403.00	1783
108.00	4194	187.00	7639	268.00	113	404.00	786
109.00	843	188.00	982	270.00	145	421.00	1732
110.00	59016	189.00	1451	271.00	82	422.00	1197
111.00	8664	190.00	257	272.00	248	423.00	11533
112.00	1091	191.00	703	273.00	3119	424.00	2114
113.00	337	192.00	1899	274.00	8119	425.00	267
115.00	68	193.00	2370	275.00	48928	441.00	30376
116.00	1542	194.00	668	276.00	6449	442.00	207360

034786

Data File: /var/chem/MSSV5.i/2061213.s.b/d4528.d

Date : 13-DEC-2006 09:39

Client ID: DFTPP

Instrument: MSSV5.i

Sample Info: 1100*4-55-15*

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

Column diameter: 2.00

Data File: d4528.d
Spectrum: Avg. Scans 772-774 (4.43), Background Scan 769
Location of Maximum: 198.00
Number of points: 304

m/z	Y	m/z	Y	m/z	Y	m/z	Y
117.00	15992	195.00	220	277.00	3771	443.00	39136
118.00	1149	196.00	4720	278.00	500	444.00	3758
119.00	79	197.00	910	282.00	85	445.00	206
120.00	296	198.00	211584	283.00	373		
121.00	81	199.00	13937	284.00	236		
122.00	1429	200.00	958	285.00	589		
123.00	2548	201.00	800	286.00	132		

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061213.s.b/d4530.d
Lab Smp Id: 1400 Client Smp ID: STD050
Inj Date : 13-DEC-2006 10:09
Operator : jar3 Inst ID: MSSV5.i
Smp Info : 1400*4-68-1
Misc Info : STD050*MSSV~4102~*
Comment :
Method : /var/chem/MSSV5.i/2061213.s.b/8270CE_05.m
Meth Date : 13-Dec-2006 10:31 jar3 Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 3 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	0.384	0.384	(0.270)	154197	50.0000	31.2
1	n-Nitrosodimethylamine	42	0.378	0.378	(0.266)	65999	50.0000	37.8
$ 3	2-Fluorophenol	112	0.662	0.662	(0.466)	278805	50.0000	51.0
$ 4	Phenol-d5	99	1.223	1.223	(0.861)	684893	50.0000	54.5
5	Aniline	93	1.191	1.191	(0.838)	579240	50.0000	59.6
6	Phenol +	94	1.234	1.234	(0.868)	822861	50.0000	56.2
7	bis(-2-Chloroethyl)Ether	63	1.250	1.250	(0.880)	540337	50.0000	53.3
8	2-Chlorophenol	128	1.282	1.282	(0.902)	581280	50.0000	53.0
9	1,3-Dichlorobenzene	146	1.378	1.378	(0.970)	642645	50.0000	50.0
* 10	1,4-Dichlorobenzene-d4	152	1.421	1.421	(1.000)	272029	40.0000	
11	1,4-Dichlorobenzene +	146	1.432	1.432	(1.008)	643079	50.0000	50.0
12	Benzyl alcohol	108	1.555	1.555	(1.094)	449175	50.0000	58.5
13	1,2-Dichlorobenzene	146	1.539	1.539	(1.083)	619948	50.0000	50.1

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	15 2-Methylphenol	108	1.662	1.662	(1.169)	611497	50.0000	53.5
	14 Bis(2-chloroisopropyl)ether	45	1.635	1.635	(1.151)	1098222	50.0000	50.5
	17 3- & 4-Methylphenol	108	1.769	1.769	(1.245)	614494	50.0000	54.1
	16 N-Nitroso-di-n-propylamine++	70	1.737	1.737	(1.222)	502734	50.0000	46.4
	18 Hexachloroethane	117	1.758	1.758	(1.237)	244847	50.0000	48.7
$	19 Nitrobenzene-d5	82	1.812	1.812	(0.803)	638386	50.0000	50.3
	20 Nitrobenzene	77	1.828	1.828	(0.810)	715292	50.0000	49.3
	21 Isophorone	82	1.988	1.988	(0.881)	1297866	50.0000	49.6
	22 2-Nitrophenol +	139	2.031	2.031	(0.900)	316798	50.0000	51.9
	23 2,4-Dimethyphenol	107	2.095	2.095	(0.929)	640500	50.0000	52.7
	24 bis(-2-Chloroethoxy)methane	93	2.138	2.138	(0.948)	752725	50.0000	50.5
	25 Benzoic Acid	122	2.234	2.234	(0.991)	189925	50.0000	39.1
	26 2,4-Dichlorophenol +	162	2.202	2.202	(0.976)	432308	50.0000	52.8
	27 1,2,4-Trichlorobenzene	180	2.229	2.229	(0.988)	455420	50.0000	47.9
*	28 Naphthalene-d8	136	2.256	2.256	(1.000)	1131843	40.0000	
	29 Naphthalene	128	2.272	2.272	(1.007)	1677661	50.0000	49.7
	30 4-Chloroaniline	127	2.325	2.325	(1.031)	458367	50.0000	58.3
	31 Hexachlorobutadiene +	225	2.357	2.357	(1.045)	278692	50.0000	47.8
	32 4-Chloro-3-Methylphenol +	107	2.667	2.667	(1.183)	518430	50.0000	50.7
	33 2-Methylnaphthalene	142	2.700	2.700	(1.197)	1114282	50.0000	48.0
	145 1-Methylnapthalene	142	2.753	2.753	(1.221)	925684	50.0000	47.8
	34 Hexachlorocyclopentadiene ++	237	2.796	2.796	(0.841)	250950	50.0000	51.9
	35 2,4,6-Trichlorophenol +	196	2.892	2.892	(0.870)	267678	50.0000	52.6
	36 2,4,5-Trichlorphenol	196	2.924	2.924	(0.879)	268666	50.0000	51.5
$	37 2-Fluorobiphenyl	172	2.930	2.930	(0.881)	939902	50.0000	50.0
	38 2-Chloronaphthalene	162	2.994	2.994	(0.900)	843148	50.0000	50.2
	39 2-Nitroaniline	138	3.074	3.074	(0.924)	302971	50.0000	50.0
	40 Dimethylphthalate	163	3.192	3.192	(0.960)	872752	50.0000	47.1
	41 2,6-Dinitrotoluene	165	3.229	3.229	(0.971)	226379	50.0000	49.4
	42 Acenaphthylene	152	3.234	3.234	(0.973)	967319	50.0000	43.5
	43 3-Nitroaniline	138	3.331	3.331	(1.002)	209138	50.0000	54.1
*	44 Acenaphthene-d10	164	3.325	3.325	(1.000)	584100	40.0000	
	45 Acenaphthene +	153	3.341	3.341	(1.005)	948113	50.0000	49.4
	46 2,4-Dinitrophenol ++	184	3.395	3.395	(1.021)	107758	50.0000	40.1
	49 4-Nitrophenol ++	109	3.480	3.480	(1.047)	118522	50.0000	45.6
	47 Dibenzofuran	168	3.448	3.448	(1.037)	1223047	50.0000	48.8
	48 2,4-Dinitrotoluene	165	3.470	3.470	(1.043)	283014	50.0000	47.2
	50 Diethylphthalate	149	3.620	3.620	(1.088)	854525	50.0000	45.6
	52 4-Chlorophenyl-phenylether	204	3.668	3.668	(1.103)	422097	50.0000	48.3
	51 Fluorene	166	3.657	3.657	(1.100)	990228	50.0000	47.9
	53 4-Nitroaniline	138	3.700	3.700	(1.113)	197939	50.0000	43.7
	54 4,6-Dinitro-o-cresol	198	3.721	3.721	(0.882)	150851	50.0000	45.0
	55 N-nitrosodiphenylamine (1)+	169	3.748	3.748	(0.888)	651269	50.0000	51.8
	56 Azobenzene	77	3.764	3.764	(0.892)	1122925	50.0000	51.8
$	57 2,4,6-Tribromophenol	332	3.807	3.807	(1.145)	131442	50.0000	47.9
	58 4-Bromophenyl-phenylether	248	3.956	3.956	(0.938)	221894	50.0000	49.9
	59 Hexachlorobenzene	284	3.989	3.989	(0.945)	273292	50.0000	49.9

034789

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	AMOUNTS CAL-AMT (ppm)	ON-COL (ppm)
	60 Pentachlorophenol +	266	4.122	4.122	(0.977)	149610	50.0000	45.1
*	61 Phenanthrene-d10	188	4.219	4.219	(1.000)	823799	40.0000	
	62 Phenanthrene	178	4.235	4.235	(1.004)	1210593	50.0000	47.7
	63 Anthracene	178	4.261	4.261	(1.010)	1217930	50.0000	47.6
	64 Carbazole	167	4.374	4.374	(1.037)	939443	50.0000	45.7
	65 Di-n-butylphthalate	149	4.604	4.604	(1.091)	1189500	50.0000	43.9
	67 Fluoranthene +	202	4.951	4.951	(1.174)	1014694	50.0000	43.1
	68 Benzidine	184	5.058	5.058	(0.857)	5357	50.0000	42.1(M3)
	69 Pyrene	202	5.085	5.085	(0.861)	1023012	50.0000	54.2
$	70 Terphenyl-d14	244	5.197	5.197	(0.880)	597581	50.0000	51.8
	71 Butylbenzylphthalate	149	5.540	5.540	(0.938)	416701	50.0000	46.5
	73 3,3'-Dichlorobenzidine	252	5.903	5.903	(1.000)	224771	50.0000	47.5
	72 Benzo(a)anthracene	228	5.898	5.898	(0.999)	735284	50.0000	48.0
*	74 Chrysene-d12	240	5.903	5.903	(1.000)	473110	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.973	5.973	(1.012)	512887	50.0000	43.1
	75 Chrysene	228	5.925	5.925	(1.004)	778207	50.0000	51.4
	77 Di-n-octylphthalate +	149	6.465	6.465	(1.095)	827019	50.0000	42.0
	78 Benzo(b)fluoranthene	252	6.700	6.700	(0.961)	798961	50.0000	54.6
	79 Benzo(k)fluoranthene	252	6.716	6.716	(0.963)	777816	50.0000	44.1
	80 Benzo(a)pyrene +	252	6.930	6.930	(0.994)	645953	50.0000	45.7
*	81 Perylene-d12	264	6.973	6.973	(1.000)	415149	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.717	7.717	(1.307)	905366	50.0000	50.8
	83 Dibenzo(a,h)anthracene	278	7.722	7.722	(1.107)	765676	50.0000	47.5
	84 Benzo(g,h,i)perylene	276	7.877	7.877	(1.130)	791053	50.0000	53.0
M	66 Total Methylphenol	108				1225991	100.000	108
	91 Acetophenone	105	1.721	1.721	(1.211)	789383	50.0000	51.4
	155 Benzaldehyde	77	1.090	1.090	(0.767)	330317	50.0000	85.5
	156 Caprolactam	113	2.577	2.577	(1.142)	163595	50.0000	41.3
	157 Biphenyl	154	2.988	2.988	(1.325)	1100982	50.0000	48.0
	158 Atrazine	200	4.090	4.090	(0.970)	158049	50.0000	40.6
	174 1,4-Dioxane	88	0.335	0.335	(0.236)	121081	50.0000	55.7

QC Flag Legend

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

Data File: /var/chem/MSSV5.i/2061213.s.b/d4530.d

Page 1

Date : 13-DEC-2006 10:09

Client ID: STD050

Instrument: MSSV5.i

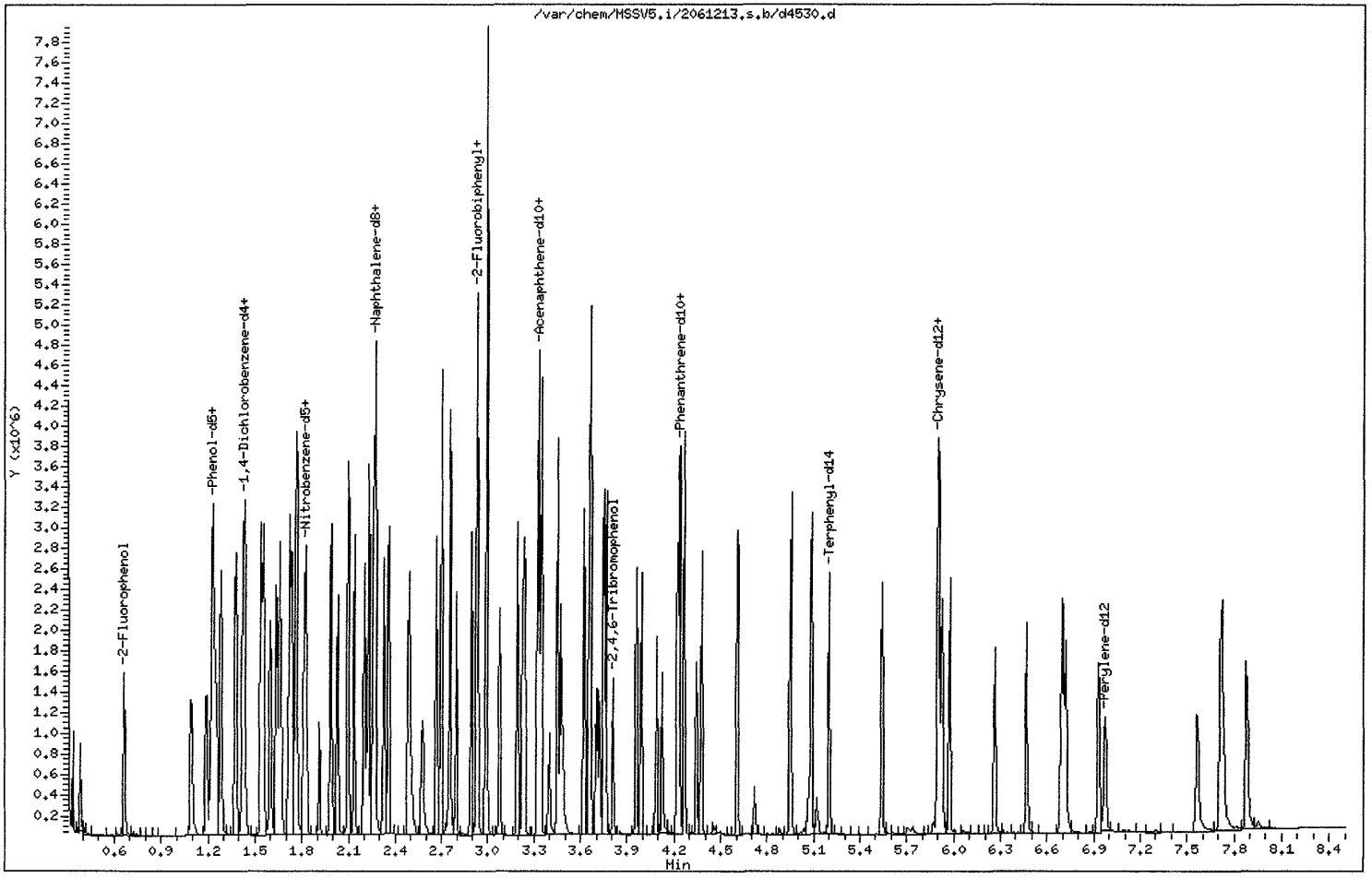
Sample Info: 1400*4-68-1

Volume Injected (uL): 1.0

Operator: jar3

Column phase: RTX-5MS-30M

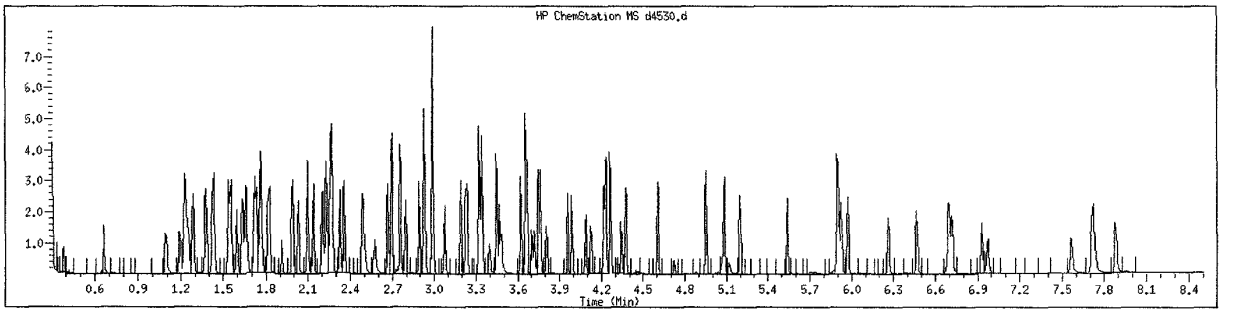
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061213.s.b/d4530.d Page: 1
Report Date: 12/13/2006 10:31

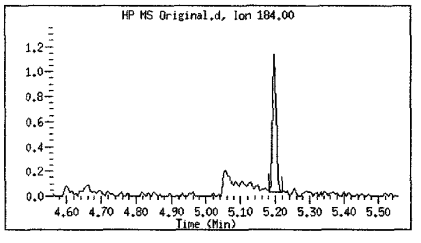
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 1400 SampleType : CCALIB_5
Injection Date: 13-DEC-2006 10:09 Instrument : MSSV5.i
Operator : jar3
Sample Info : 1400*4-68-1
Misc Info : STD050*MSSV~4102~*
Method : /var/chem/MSSV5.i/2061213.s.b/8270CE_05.m
Dilution : 1.0
Matrix : WATER
Integrator : HP RTE Compound Sublist: 8270C



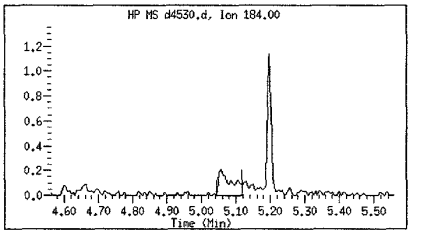
Original Final

68 Benzidine CAS#: 92-87-5 Reason: M3



Electronic Signature
Applied

User: jar3
Date: 13-Dec-2006 10:17



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

000704

034792

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
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: MB436893
Contract:
Lab File ID: 2061211/d4458
Lab Sample ID: 436893
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0745
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	0.066	U	0.00720	0.066
120-12-7	Anthracene	0.066	U	0.00496	0.066
56-55-3	Benzo(a)anthracene	0.066	U	0.00584	0.066
92-87-5	Benzidine	1.32	U	0.314	1.32
205-99-2	Benzo(b)fluoranthene	0.330	U	0.00631	0.330
207-08-9	Benzo(k)fluoranthene	0.330	U	0.00891	0.330
191-24-2	Benzo(g,h,i)perylene	0.330	U	0.027	0.330
50-32-8	Benzo(a)pyrene	0.066	U	0.00785	0.066
65-85-0	Benzoic acid	1.67	U	0.154	1.67
85-68-7	Butylbenzylphthalate	0.330	U	0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	0.330	U	0.00513	0.330
111-44-4	Bis(2-Chloroethyl)ether	0.330	U	0.036	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	0.016	0.066
101-55-3	4-Bromophenyl-phenylether	0.330	U	0.012	0.330
86-74-8	Carbazole	0.330	U	0.00680	0.330
7005-72-3	4-Chlorophenyl-phenylether	0.330	U	0.00465	0.330
218-01-9	Chrysene	0.330	U	0.011	0.330
53-70-3	Dibenz(a,h)anthracene	0.066	U	0.031	0.066
132-64-9	Dibenzofuran	0.330	U	0.00424	0.330
91-94-1	3,3'-Dichlorobenzidine	0.660	U	0.056	0.660
120-83-2	2,4-Dichlorophenol	0.330	U	0.025	0.330
84-66-2	Diethylphthalate	0.330	U	0.00542	0.330
105-67-9	2,4-Dimethylphenol	0.330	U	0.054	0.330
131-11-3	Dimethyl-phthalate	0.330	U	0.020	0.330
117-84-0	Di-n-octylphthalate	0.330	U	0.00692	0.330
51-28-5	2,4-Dinitrophenol	1.67	U	0.019	1.67
606-20-2	2,6-Dinitrotoluene	0.330	U	0.00570	0.330
206-44-0	Fluoranthene	0.330	U	0.00878	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
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: MB436893
Contract:
Lab File ID: 2061211/d4458
Lab Sample ID: 436893
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0745
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	0.066	U	0.00555	0.066
118-74-1	Hexachlorobenzene	0.330	U	0.00961	0.330
77-47-4	Hexachlorocyclopentadiene	0.330	U	0.024	0.330
67-72-1	Hexachloroethane	0.330	U	0.044	0.330
78-59-1	Isophorone	0.330	U	0.00460	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	0.330	U	0.023	0.330
91-57-6	2-Methylnaphthalene	0.066	U	0.00712	0.066
95-48-7	o-Cresol	0.330	U	0.017	0.330
98-95-3	Nitrobenzene	0.330	U	0.034	0.330
88-75-5	2-Nitrophenol	0.330	U	0.00959	0.330
62-75-9	N-Nitrosodimethylamine	0.330	U	0.040	0.330
86-30-6	N-Nitrosodiphenylamine	0.330	U	0.011	0.330
85-01-8	Phenanthrene	0.066	U	0.00516	0.066
95-95-4	2,4,5-Trichlorophenol	0.330	U	0.00748	0.330
88-06-2	2,4,6-Trichlorophenol	0.330	U	0.00571	0.330
100-51-6	Benzyl alcohol	0.330	U	0.00724	0.330
62-53-3	Aniline	0.330	U	0.043	0.330
110-86-1	Pyridine	0.330	U	0.049	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	1.67	U	0.00659	1.67
100-01-6	4-Nitroaniline	1.67	U	0.039	1.67
84-74-2	Di-n-butylphthalate	0.330	U	0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	0.330	U	0.00584	0.330
88-74-4	2-Nitroaniline	1.67	U	0.00755	1.67
91-58-7	2-Chloronaphthalene	0.330	U	0.024	0.330
106-47-8	4-Chloroaniline	0.330	U	0.041	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.: 206120728
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: MB436893
Contract:
Lab File ID: 2061211/d4458
Lab Sample ID: 436893
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0745
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

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	1.67	U	0.013	1.67
108-95-2	Phenol	0.330	U	0.00684	0.330
95-57-8	2-Chlorophenol	0.330	U	0.025	0.330
621-64-7	N-Nitroso-di-n-propylamine	0.066	U	0.00748	0.066
59-50-7	4-Chloro-3-methylphenol	0.330	U	0.00992	0.330
83-32-9	Acenaphthene	0.066	U	0.00712	0.066
100-02-7	4-Nitrophenol	1.67	U	0.00826	1.67
121-14-2	2,4-Dinitrotoluene	0.330	U	0.027	0.330
87-86-5	Pentachlorophenol	1.67	U	0.029	1.67
129-00-0	Pyrene	0.330	U	0.015	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4458.d
Lab Smp Id: 436893 Client Smp ID: 1208BLK
Inj Date : 11-DEC-2006 07:45
Operator : rrr Inst ID: MSSV5.i
Smp Info : 436893*BLK*
Misc Info : 1208BLK*MSSV~4095~*BLK*30.0-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 13 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	0.678	0.678	(0.470)	537062	83.2473	2770
$ 4 Phenol-d5	99	1.245	1.256	(0.863)	1233775	83.1325	2770
* 10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	320981	40.0000	
$ 19 Nitrobenzene-d5	82	1.828	1.839	(0.805)	612079	41.1270	1370
* 28 Naphthalene-d8	136	2.272	2.282	(1.000)	1326828	40.0000	
$ 37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	922991	39.9870	1330
* 44 Acenaphthene-d10	164	3.341	3.347	(1.000)	716946	40.0000	
$ 57 2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	254303	75.4555	2520
* 61 Phenanthrene-d10	188	4.235	4.245	(1.000)	1026155	40.0000	
$ 70 Terphenyl-d14	244	5.219	5.230	(0.880)	688564	45.8435	1530
* 74 Chrysene-d12	240	5.930	5.946	(1.000)	615962	40.0000	

Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.011)	5029	0.37633	12.5
* 81 Perylene-d12	264	7.000	7.016	(1.000)	476474	40.0000	

Data File: /var/chem/MSSV5.i/2061211.s.b/d4458.d

Date : 11-DEC-2006 07:45

Client ID: 1208BLK

Instrument: MSSV5.i

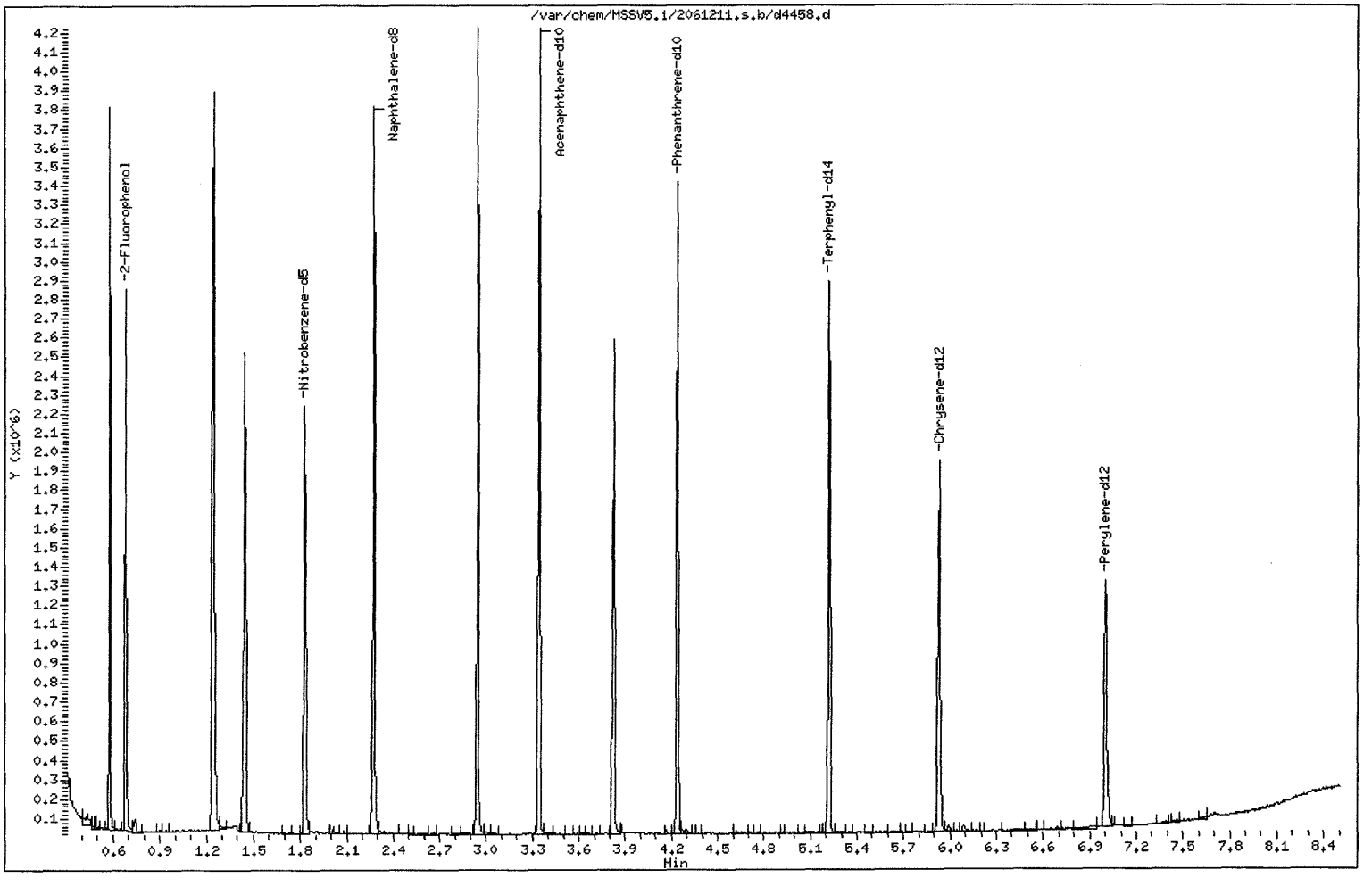
Sample Info: 436893*BLK*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

Column diameter: 0.25



Data File: /var/chem/MSSV5.i/2061211.s.b/d4458.d

Date : 11-DEC-2006 07:45

Client ID: 1208BLK

Instrument: MSSV5.i

Sample Info: 436893*BLK*

Volume Injected (uL): 1.0

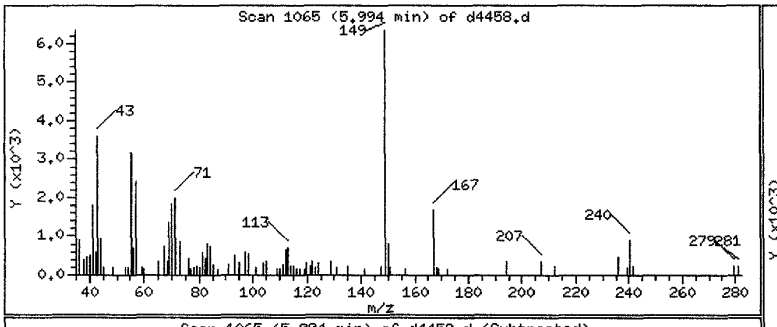
Operator: rrr

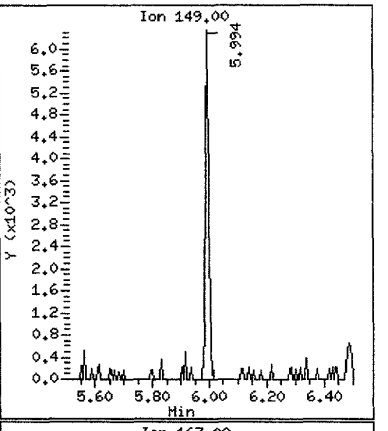
Column phase: RTX-5MS-30M

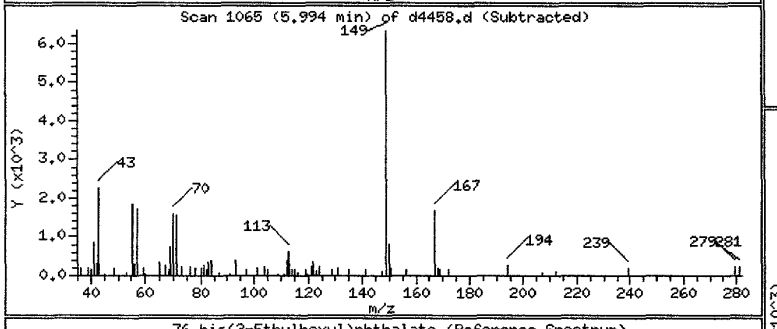
Column diameter: 0.25

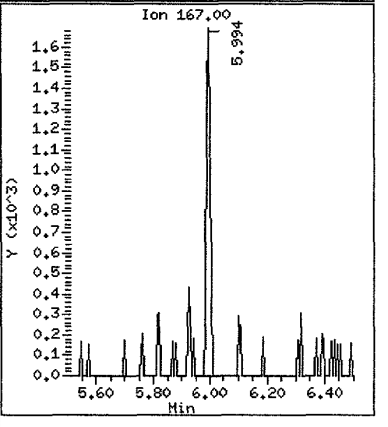
76 bis(2-Ethylhexyl)phthalate

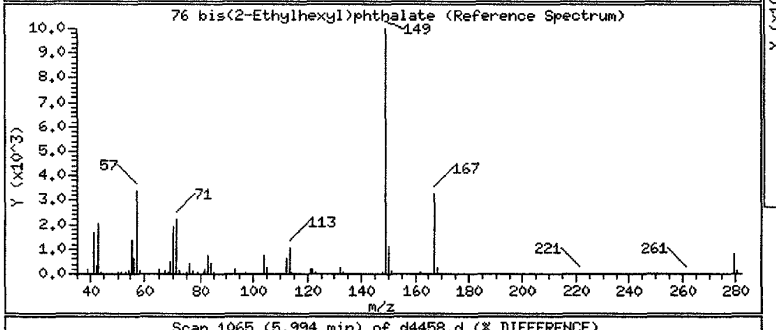
Concentration: 12.5 ug/Kg

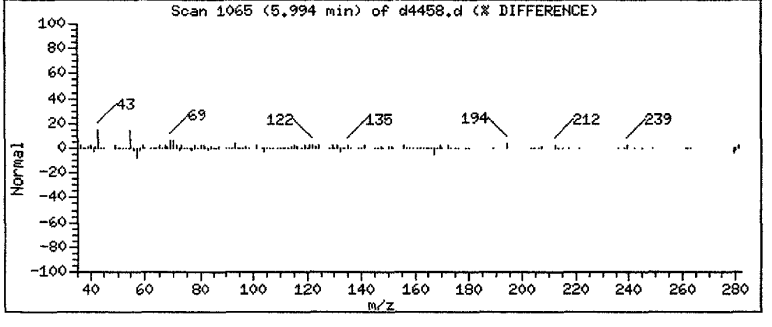












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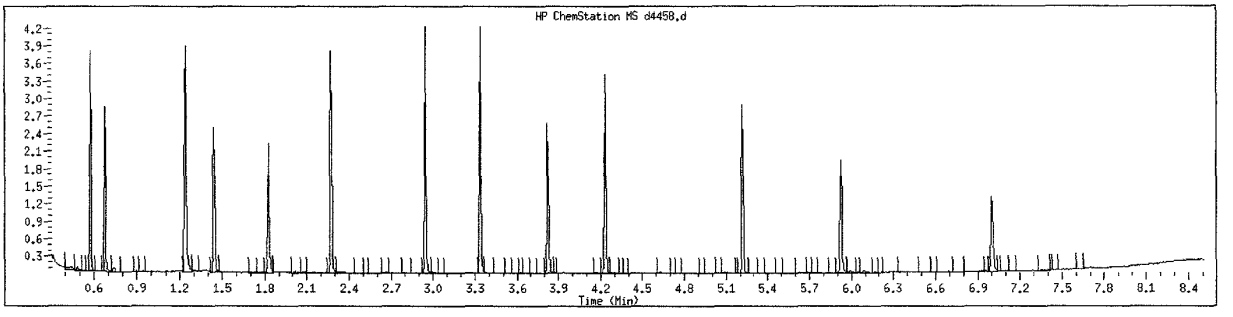
Data file : /var/chem/MSSV5.i/2061211.s.b/d4458.d Page: 1
Report Date: 12/11/2006 16:13

MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 436893 SampleType : BLANK
Injection Date: 11-DEC-2006 07:45 Instrument : MSSV5.i
Operator : rrr
Sample Info : 436893*BLK*
Misc Info : 1208BLK*MSSV~4095~*BLK*30.0-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



NO MANUAL INTEGRATIONS

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
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: LCS436894
Contract:
Lab File ID: 2061211/d4459
Lab Sample ID: 436894
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0800
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	3.33		0.00720	0.066
120-12-7	Anthracene	2.57		0.00496	0.066
56-55-3	Benzo(a)anthracene	2.72		0.00584	0.066
92-87-5	Benzidine	2.57		0.314	1.32
205-99-2	Benzo(b)fluoranthene	2.98		0.00631	0.330
207-08-9	Benzo(k)fluoranthene	2.32		0.00891	0.330
191-24-2	Benzo(g,h,i)perylene	2.27		0.027	0.330
50-32-8	Benzo(a)pyrene	2.57		0.00785	0.066
65-85-0	Benzoic acid	2.24		0.154	1.67
85-68-7	Butylbenzylphthalate	2.73		0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	2.50		0.00513	0.330
111-44-4	Bis(2-Chloroethyl)ether	2.56		0.036	0.330
108-60-1	bis(2-Chloroisopropyl)ether	2.49		0.033	0.330
117-81-7	bis(2-ethylhexyl)phthalate	2.82		0.016	0.066
101-55-3	4-Bromophenyl-phenylether	2.76		0.012	0.330
86-74-8	Carbazole	2.63		0.00680	0.330
7005-72-3	4-Chlorophenyl-phenylether	2.55		0.00465	0.330
218-01-9	Chrysene	2.60		0.011	0.330
53-70-3	Dibenz(a,h)anthracene	2.19		0.031	0.066
132-64-9	Dibenzofuran	2.52		0.00424	0.330
91-94-1	3,3'-Dichlorobenzidine	1.50		0.056	0.660
120-83-2	2,4-Dichlorophenol	2.52		0.025	0.330
84-66-2	Diethylphthalate	2.42		0.00542	0.330
105-67-9	2,4-Dimethylphenol	2.52		0.054	0.330
131-11-3	Dimethyl-phthalate	2.50		0.020	0.330
117-84-0	Di-n-octylphthalate	2.74		0.00692	0.330
51-28-5	2,4-Dinitrophenol	2.25		0.019	1.67
606-20-2	2,6-Dinitrotoluene	2.52		0.00570	0.330
206-44-0	Fluoranthene	2.33		0.00878	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
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: LCS436894
Contract:
Lab File ID: 2061211/d4459
Lab Sample ID: 436894
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0800
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	2.45		0.00555	0.066
118-74-1	Hexachlorobenzene	2.79		0.00961	0.330
77-47-4	Hexachlorocyclopentadiene	2.74		0.024	0.330
67-72-1	Hexachloroethane	2.25		0.044	0.330
78-59-1	Isophorone	2.50		0.00460	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	2.13		0.023	0.330
91-57-6	2-Methylnaphthalene	2.29		0.00712	0.066
95-48-7	o-Cresol	2.44		0.017	0.330
98-95-3	Nitrobenzene	2.55		0.034	0.330
88-75-5	2-Nitrophenol	2.71		0.00959	0.330
62-75-9	N-Nitrosodimethylamine	2.91		0.040	0.330
86-30-6	N-Nitrosodiphenylamine	2.75		0.011	0.330
85-01-8	Phenanthrene	2.59		0.00516	0.066
95-95-4	2,4,5-Trichlorophenol	2.63		0.00748	0.330
88-06-2	2,4,6-Trichlorophenol	2.71		0.00571	0.330
100-51-6	Benzyl alcohol	2.70		0.00724	0.330
62-53-3	Aniline	3.30		0.043	0.330
110-86-1	Pyridine	2.43		0.049	0.330
105-60-2	Caprolactam	2.48		0.00978	0.330
98-86-2	Acetophenone	2.56		0.00818	0.330
99-09-2	3-Nitroaniline	1.58	J	0.00659	1.67
100-01-6	4-Nitroaniline	2.35		0.039	1.67
84-74-2	Di-n-butylphthalate	2.47		0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	2.99		0.00584	0.330
88-74-4	2-Nitroaniline	2.76		0.00755	1.67
91-58-7	2-Chloronaphthalene	2.61		0.024	0.330
106-47-8	4-Chloroaniline	1.30		0.041	0.330
1912-24-9	Atrazine (Aatrex)	2.91		0.016	0.660
100-52-7	Benzaldehyde	2.34		0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
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: LCS436894
Contract:
Lab File ID: 2061211/d4459
Lab Sample ID: 436894
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0800
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	2.68		0.00551	0.330
1319-77-3M	m,p-Cresol	2.42		0.00965	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	2.55		0.013	1.67
108-95-2	Phenol	2.48		0.00684	0.330
95-57-8	2-Chlorophenol	2.46		0.025	0.330
621-64-7	N-Nitroso-di-n-propylamine	2.43		0.00748	0.066
59-50-7	4-Chloro-3-methylphenol	2.39		0.00992	0.330
83-32-9	Acenaphthene	2.59		0.00712	0.066
100-02-7	4-Nitrophenol	2.46		0.00826	1.67
121-14-2	2,4-Dinitrotoluene	2.43		0.027	0.330
87-86-5	Pentachlorophenol	2.36		0.029	1.67
129-00-0	Pyrene	2.76		0.015	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4459.d
Lab Smp Id: 436894 Client Smp ID: 1208LCS
Inj Date : 11-DEC-2006 08:00
Operator : rrr Inst ID: MSSV5.i
Smp Info : 436894*LCS*
Misc Info : 1208LCS*MSSV~4095~*LCS*30.0-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 14 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	0.394	0.389	(0.272)	377816	73.0207	2430
	1 n-Nitrosodimethylamine	42	0.389	0.384	(0.269)	159361	87.2663	2910
$	3 2-Fluorophenol	112	0.678	0.678	(0.468)	493160	86.1629	2870
$	4 Phenol-d5	99	1.250	1.256	(0.863)	1063970	80.8073	2690
	5 Aniline	93	1.218	1.218	(0.841)	838576	98.8618	3300
	6 Phenol +	94	1.261	1.266	(0.871)	1142243	74.4783	2480
	7 bis(-2-Chloroethyl)Ether	63	1.277	1.272	(0.882)	815598	76.9232	2560
	8 2-Chlorophenol	128	1.309	1.314	(0.904)	847210	73.7277	2460
	9 1,3-Dichlorobenzene	146	1.405	1.400	(0.970)	952258	70.8028	2360
*	10 1,4-Dichlorobenzene-d4	152	1.448	1.448	(1.000)	284769	40.0000	
	11 1,4-Dichlorobenzene +	146	1.459	1.459	(1.007)	957502	71.1188	2370

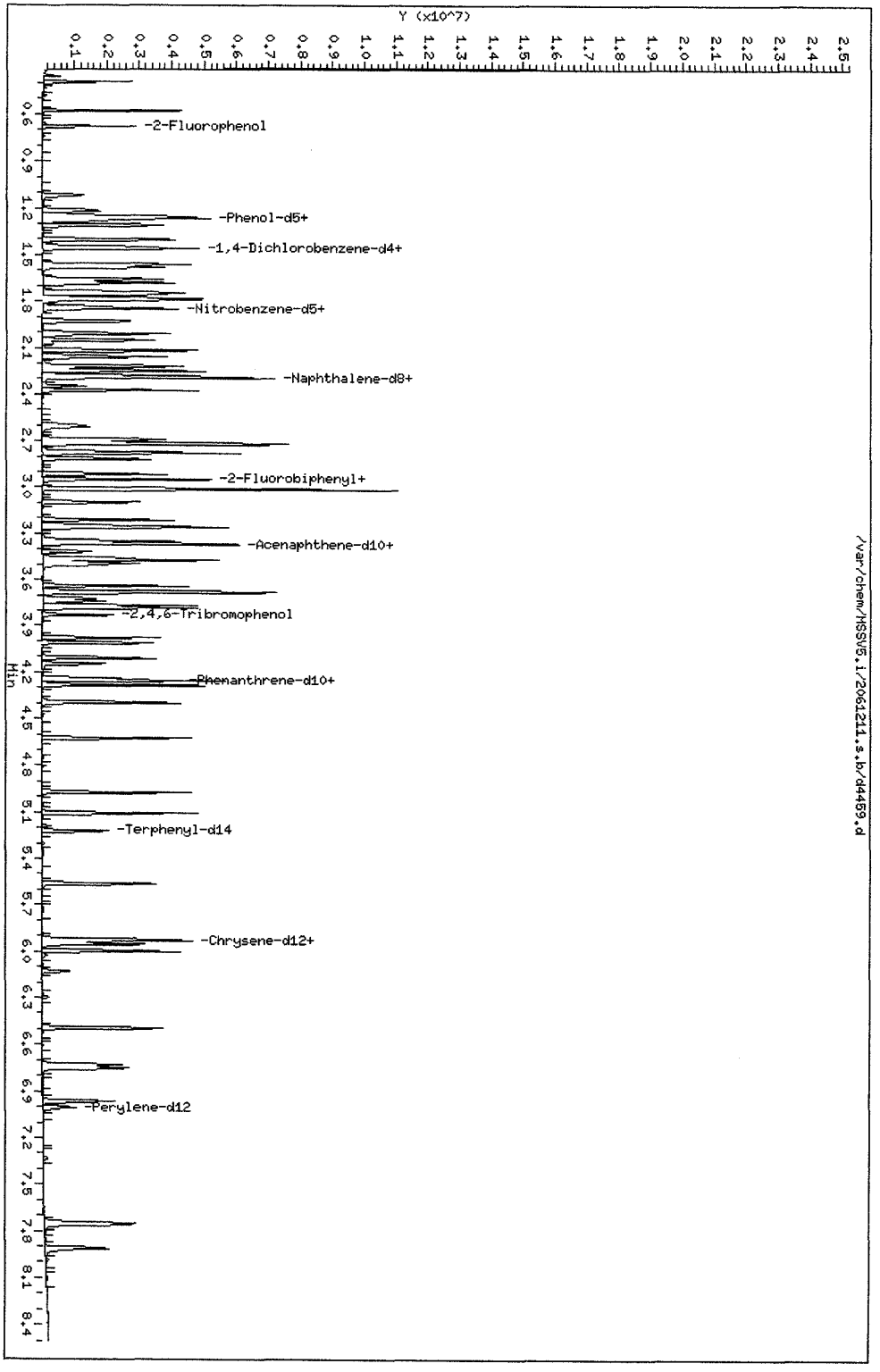
	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
12	Benzyl alcohol	108	1.582	1.582	(1.092)	651909	81.0568	2700
13	1,2-Dichlorobenzene	146	1.560	1.560	(1.078)	914775	70.5827	2350
15	2-Methylphenol	108	1.683	1.689	(1.163)	874533	73.0852	2440
14	Bis(2-chloroisopropyl)ether	45	1.657	1.657	(1.144)	1701614	74.7624	2490
17	3- & 4-Methylphenol	108	1.790	1.796	(1.236)	865420	72.7373	2420
16	N-Nitroso-di-n-propylamine++	70	1.758	1.753	(1.214)	753683	73.0486	2430
18	Hexachloroethane	117	1.780	1.780	(1.229)	354416	67.3719	2250
$ 19	Nitrobenzene-d5	82	1.833	1.839	(0.805)	551293	44.4961	1480
20	Nitrobenzene	77	1.849	1.849	(0.812)	1081943	76.4595	2550
21	Isophorone	82	2.010	2.004	(0.883)	1915150	75.0727	2500
22	2-Nitrophenol +	139	2.053	2.052	(0.901)	483784	81.1745	2710
23	2,4-Dimethyphenol	107	2.117	2.122	(0.930)	896772	75.6428	2520
24	bis(-2-Chloroethoxy)methane	93	2.159	2.159	(0.948)	1093107	75.1463	2500
25	Benzoic Acid	122	2.256	2.256	(0.991)	326134	67.0746	2240
26	2,4-Dichlorophenol +	162	2.218	2.224	(0.974)	605007	75.7098	2520
27	1,2,4-Trichlorobenzene	180	2.250	2.250	(0.988)	692110	74.6015	2490
* 28	Naphthalene-d8	136	2.277	2.282	(1.000)	1104576	40.0000	
29	Naphthalene	128	2.293	2.293	(1.007)	2409211	73.1006	2440
30	4-Chloroaniline	127	2.347	2.352	(1.031)	321026	38.8946	1300
31	Hexachlorobutadiene +	225	2.373	2.379	(1.042)	426718	75.0025	2500
32	4-Chloro-3-Methylphenol +	107	2.689	2.694	(1.181)	714143	71.6125	2390
33	2-Methylnaphthalene	142	2.721	2.721	(1.195)	1556497	68.7619	2290
145	1-Methylnapthalene	142	2.780	2.780	(1.221)	1470411	77.8208	2590
34	Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.842)	382102	82.0926	2740
35	2,4,6-Trichlorophenol +	196	2.914	2.919	(0.871)	373110	81.1710	2710
36	2,4,5-Trichlorphenol	196	2.946	2.951	(0.880)	371875	78.9305	2630
$ 37	2-Fluorobiphenyl	172	2.951	2.951	(0.882)	760899	44.7720	1490
38	2-Chloronaphthalene	162	3.015	3.015	(0.901)	1187480	78.2115	2610
39	2-Nitroaniline	138	3.096	3.101	(0.925)	453016	82.7271	2760
40	Dimethylphthalate	163	3.213	3.213	(0.960)	1258492	75.0781	2500
41	2,6-Dinitrotoluene	165	3.251	3.251	(0.971)	313555	75.7295	2520
42	Acenaphthylene	152	3.261	3.261	(0.974)	2010226	99.9718	3330
43	3-Nitroaniline	138	3.347	3.352	(1.000)	168091	47.3642	1580
* 44	Acenaphthene-d10	164	3.347	3.347	(1.000)	527871	40.0000	
45	Acenaphthene +	153	3.368	3.368	(1.006)	1347748	77.6573	2590
46	2,4-Dinitrophenol ++	184	3.416	3.422	(1.021)	163853	67.3955	2250
49	4-Nitrophenol ++	109	3.502	3.513	(1.046)	173468	73.8202	2460
47	Dibenzofuran	168	3.470	3.475	(1.037)	1714138	75.7065	2520
48	2,4-Dinitrotoluene	165	3.491	3.491	(1.043)	394733	72.8644	2430
50	Diethylphthalate	149	3.641	3.641	(1.088)	1226791	72.4727	2420
52	4-Chlorophenyl-phenylether	204	3.689	3.689	(1.102)	603752	76.5130	2550
51	Fluorene	166	3.679	3.678	(1.099)	1373296	73.5213	2450
53	4-Nitroaniline	138	3.727	3.727	(1.113)	265297	70.6464	2350
54	4,6-Dinitro-o-cresol	198	3.743	3.743	(0.883)	221530	76.3599	2550
55	N-nitrosodiphenylamine (1)+	169	3.769	3.769	(0.889)	896462	82.4013	2750
56	Azobenzene	77	3.785	3.785	(0.893)	1683200	89.6494	2990
$ 57	2,4,6-Tribromophenol	332	3.834	3.834	(1.145)	206259	83.1210	2770

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
58	4-Bromophenyl-phenylether	248	3.978	3.983	(0.938)	319138	82.9014	2760
59	Hexachlorobenzene	284	4.010	4.015	(0.946)	397366	83.8263	2790
60	Pentachlorophenol +	266	4.149	4.154	(0.979)	203229	70.8405	2360
* 61	Phenanthrene-d10	188	4.240	4.245	(1.000)	712841	40.0000	
62	Phenanthrene	178	4.256	4.261	(1.004)	1705188	77.6875	2590
63	Anthracene	178	4.288	4.288	(1.011)	1709300	77.1747	2570
64	Carbazole	167	4.401	4.406	(1.038)	1402890	78.8348	2630
65	Di-n-butylphthalate	149	4.625	4.630	(1.091)	1735524	74.0239	2470
67	Fluoranthene +	202	4.973	4.978	(1.173)	1426505	70.0133	2330
68	Benzidine	184	5.101	5.128	(0.859)	9146	76.9706	2570(M1)
69	Pyrene	202	5.107	5.112	(0.860)	1458430	82.7541	2760
$ 70	Terphenyl-d14	244	5.219	5.230	(0.879)	505525	46.8951	1560
71	Butylbenzylphthalate	149	5.567	5.572	(0.938)	685721	81.8749	2730
73	3,3'-Dichlorobenzidine	252	5.930	5.941	(0.999)	199014	45.0431	1500
72	Benzo(a)anthracene	228	5.930	5.936	(0.999)	1164411	81.5290	2720
* 74	Chrysene-d12	240	5.936	5.946	(1.000)	442081	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	6.000	6.005	(1.011)	903886	84.5533	2820
75	Chrysene	228	5.952	5.962	(1.003)	1104515	78.0639	2600
77	Di-n-octylphthalate +	149	6.492	6.503	(1.094)	1512341	82.2682	2740
78	Benzo(b)fluoranthene	252	6.733	6.743	(0.961)	1190487	89.5260	2980
79	Benzo(k)fluoranthene	252	6.749	6.765	(0.963)	1080654	69.4570	2320
80	Benzo(a)pyrene +	252	6.968	6.979	(0.995)	959901	77.0518	2570
* 81	Perylene-d12	264	7.005	7.016	(1.000)	366007	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	7.749	7.759	(1.305)	1082756	63.8548	2130
83	Dibenzo(a,h)anthracene	278	7.760	7.770	(1.108)	952538	65.7631	2190
84	Benzo(g,h,i)perylene	276	7.915	7.925	(1.130)	897736	68.1804	2270
M 66	Total Methylphenol	108				1739953	145.823	4860
91	Acetophenone	105	1.742	1.742	(1.203)	1235473	76.8510	2560
155	Benzaldehyde	77	1.117	1.116	(0.771)	296125	70.2051	2340
156	Caprolactam	113	2.609	2.593	(1.146)	246849	74.3645	2480
157	Biphenyl	154	3.010	3.010	(1.322)	1698272	80.5408	2680
158	Atrazine	200	4.112	4.117	(0.970)	293901	87.3223	2910
174	1,4-Dioxane	88	0.352	0.341	(0.243)	76240	32.7508	1090

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

034806



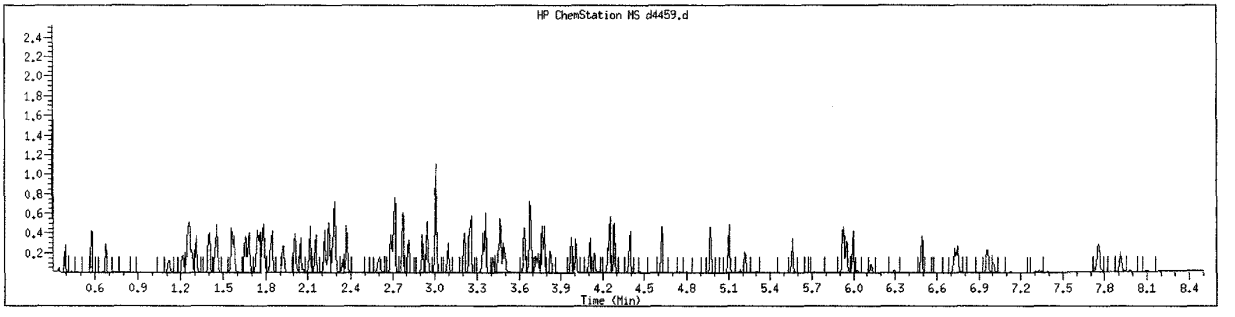
Data File: /var/chem/MSSV5.i/20061211.s.b/d4459.d
Date : 11-DEC-2006 08:00
Client ID: 1208LCS
Sample Info: 436894*LCS*
Volume Injected (uL): 1.0
Column phase: RTX-5MS-30M

Instrument: MSSV5.i
Operator: rrr
Column diameter: 0.25

Data file : /var/chem/MSSV5.i/2061211.s.b/d4459.d Page: 1
Report Date: 12/11/2006 16:14

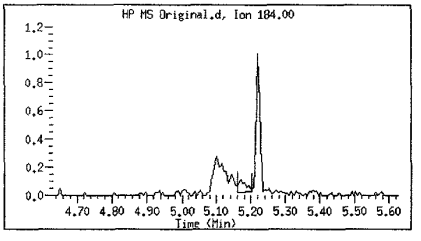
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 436894 SampleType : LCS
Injection Date: 11-DEC-2006 08:00 Instrument : MSSV5.i
Operator : rrr
Sample Info : 436894*LCS*
Misc Info : 1208LCS*MSSV~4095~*LCS*30.0-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



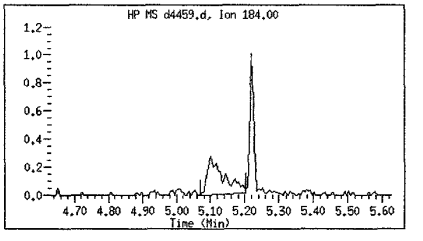
Original Final

68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 16:14



M1- Compound response manually integrated because
Target system did not integrate.

000720

034808

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
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: LCSD436895
Contract:
Lab File ID: 2061211/d4460
Lab Sample ID: 436895
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0814
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
208-96-8	Acenaphthylene	3.42		0.00720	0.066
120-12-7	Anthracene	2.65		0.00496	0.066
56-55-3	Benzo(a)anthracene	2.75		0.00584	0.066
92-87-5	Benzidine	2.39		0.314	1.32
205-99-2	Benzo(b)fluoranthene	2.86		0.00631	0.330
207-08-9	Benzo(k)fluoranthene	2.61		0.00891	0.330
191-24-2	Benzo(g,h,i)perylene	2.48		0.027	0.330
50-32-8	Benzo(a)pyrene	2.67		0.00785	0.066
65-85-0	Benzoic acid	2.42		0.154	1.67
85-68-7	Butylbenzylphthalate	2.80		0.00760	0.330
111-91-1	Bis(2-Chloroethoxy)methane	2.61		0.00513	0.330
111-44-4	Bis(2-Chloroethyl)ether	2.64		0.036	0.330
108-60-1	bis(2-Chloroisopropyl)ether	2.58		0.033	0.330
117-81-7	bis(2-ethylhexyl)phthalate	2.89		0.016	0.066
101-55-3	4-Bromophenyl-phenylether	2.87		0.012	0.330
86-74-8	Carbazole	2.76		0.00680	0.330
7005-72-3	4-Chlorophenyl-phenylether	2.57		0.00465	0.330
218-01-9	Chrysene	2.81		0.011	0.330
53-70-3	Dibenz(a,h)anthracene	2.38		0.031	0.066
132-64-9	Dibenzofuran	2.53		0.00424	0.330
91-94-1	3,3'-Dichlorobenzidine	1.28		0.056	0.660
120-83-2	2,4-Dichlorophenol	2.59		0.025	0.330
84-66-2	Diethylphthalate	2.47		0.00542	0.330
105-67-9	2,4-Dimethylphenol	2.61		0.054	0.330
131-11-3	Dimethyl-phthalate	2.54		0.020	0.330
117-84-0	Di-n-octylphthalate	2.79		0.00692	0.330
51-28-5	2,4-Dinitrophenol	2.29		0.019	1.67
606-20-2	2,6-Dinitrotoluene	2.55		0.00570	0.330
206-44-0	Fluoranthene	2.46		0.00878	0.330

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
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: LCSD436895
Contract:
Lab File ID: 2061211/d4460
Lab Sample ID: 436895
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0814
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
86-73-7	Fluorene	2.48		0.00555	0.066
118-74-1	Hexachlorobenzene	2.89		0.00961	0.330
77-47-4	Hexachlorocyclopentadiene	2.83		0.024	0.330
67-72-1	Hexachloroethane	2.41		0.044	0.330
78-59-1	Isophorone	2.60		0.00460	0.330
193-39-5	Indeno(1,2,3-cd)pyrene	2.23		0.023	0.330
91-57-6	2-Methylnaphthalene	2.43		0.00712	0.066
95-48-7	o-Cresol	2.53		0.017	0.330
98-95-3	Nitrobenzene	2.62		0.034	0.330
88-75-5	2-Nitrophenol	2.75		0.00959	0.330
62-75-9	N-Nitrosodimethylamine	2.59		0.040	0.330
86-30-6	N-Nitrosodiphenylamine	2.85		0.011	0.330
85-01-8	Phenanthrene	2.64		0.00516	0.066
95-95-4	2,4,5-Trichlorophenol	2.68		0.00748	0.330
88-06-2	2,4,6-Trichlorophenol	2.77		0.00571	0.330
100-51-6	Benzyl alcohol	2.78		0.00724	0.330
62-53-3	Aniline	2.57		0.043	0.330
110-86-1	Pyridine	3.03		0.049	0.330
105-60-2	Caprolactam	2.54		0.00978	0.330
98-86-2	Acetophenone	2.63		0.00818	0.330
99-09-2	3-Nitroaniline	1.40	J	0.00659	1.67
100-01-6	4-Nitroaniline	2.33		0.039	1.67
84-74-2	Di-n-butylphthalate	2.57		0.00664	0.330
122-66-7	1,2 Diphenylhydrazine	3.09		0.00584	0.330
88-74-4	2-Nitroaniline	2.83		0.00755	1.67
91-58-7	2-Chloronaphthalene	2.69		0.024	0.330
106-47-8	4-Chloroaniline	0.972		0.041	0.330
1912-24-9	Atrazine (Aatrex)	3.02		0.016	0.660
100-52-7	Benzaldehyde	2.43		0.026	0.660

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
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: LCSD436895
Contract:
Lab File ID: 2061211/d4460
Lab Sample ID: 436895
Date Collected: Time:
Date Received:
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0814
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
92-52-4	Biphenyl	2.73		0.00551	0.330
1319-77-3M	m,p-Cresol	2.48		0.00965	0.330
534-52-1	2-Methyl-4,6-dinitrophenol	2.74		0.013	1.67
108-95-2	Phenol	2.53		0.00684	0.330
95-57-8	2-Chlorophenol	2.55		0.025	0.330
621-64-7	N-Nitroso-di-n-propylamine	2.56		0.00748	0.066
59-50-7	4-Chloro-3-methylphenol	2.41		0.00992	0.330
83-32-9	Acenaphthene	2.61		0.00712	0.066
100-02-7	4-Nitrophenol	2.41		0.00826	1.67
121-14-2	2,4-Dinitrotoluene	2.45		0.027	0.330
87-86-5	Pentachlorophenol	2.54		0.029	1.67
129-00-0	Pyrene	2.79		0.015	0.330

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4460.d
Lab Smp Id: 436895 Client Smp ID: 1208LCSD
Inj Date : 11-DEC-2006 08:14
Operator : rrr Inst ID: MSSV5.i
Smp Info : 436895*LCSD*
Misc Info : 1208LCSD*MSSV~4095~*LCSD*30.0-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 15 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)	FINAL (ug/Kg)
	2 Pyridine	79	0.394	0.389	(0.272)	465277	91.0420	3030
	1 n-Nitrosodimethylamine	42	0.389	0.384	(0.269)	140332	77.8011	2590
$	3 2-Fluorophenol	112	0.678	0.678	(0.468)	506669	89.6234	2990
$	4 Phenol-d5	99	1.250	1.256	(0.863)	1081977	83.1963	2770
	5 Aniline	93	1.218	1.218	(0.841)	707662	76.9591	2570
	6 Phenol +	94	1.261	1.266	(0.871)	1148440	75.8131	2530
	7 bis(-2-Chloroethyl)Ether	63	1.277	1.272	(0.882)	829220	79.1801	2640
	8 2-Chlorophenol	128	1.309	1.314	(0.904)	868319	76.5039	2550
	9 1,3-Dichlorobenzene	146	1.405	1.400	(0.970)	991817	74.6607	2490
*	10 1,4-Dichlorobenzene-d4	152	1.448	1.448	(1.000)	281273	40.0000	
	11 1,4-Dichlorobenzene +	146	1.459	1.459	(1.007)	985796	74.1304	2470

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)	
	12 Benzyl alcohol	108	1.582	1.582	(1.092)	662703	83.4231	2780	
	13 1,2-Dichlorobenzene	146	1.560	1.560	(1.078)	946729	73.9562	2470	
	15 2-Methylphenol	108	1.683	1.689	(1.163)	895637	75.7792	2530	
	14 Bis(2-chloroisopropyl)ether	45	1.657	1.657	(1.144)	1742078	77.4916	2580	
	17 3- & 4-Methylphenol	108	1.790	1.796	(1.236)	874105	74.3804	2480	
	16 N-Nitroso-di-n-propylamine++	70	1.758	1.753	(1.214)	773752	76.8642	2560	
	18 Hexachloroethane	117	1.780	1.780	(1.229)	374897	72.1509	2410	
$	19 Nitrobenzene-d5	82	1.833	1.839	(0.805)	558571	45.9085	1530	
	20 Nitrobenzene	77	1.849	1.849	(0.812)	1092915	78.6483	2620	
	21 Isophorone	82	2.010	2.004	(0.883)	1955328	78.0502	2600	
	22 2-Nitrophenol +	139	2.052	2.052	(0.901)	482594	82.4566	2750	
	23 2,4-Dimethyphenol	107	2.117	2.122	(0.930)	910074	78.1695	2610	
	24 bis(-2-Chloroethoxy)methane	93	2.159	2.159	(0.948)	1117752	78.2467	2610	
	25 Benzoic Acid	122	2.256	2.256	(0.991)	347886	72.6635	2420	
	26 2,4-Dichlorophenol +	162	2.218	2.224	(0.974)	610865	77.8417	2590	
	27 1,2,4-Trichlorobenzene	180	2.250	2.250	(0.988)	702652	77.1238	2570	
*	28 Naphthalene-d8	136	2.277	2.282	(1.000)	1084726	40.0000		
	29 Naphthalene	128	2.293	2.293	(1.007)	2451318	75.7393	2520	
	30 4-Chloroaniline	127	2.347	2.352	(1.031)	247257	29.1587	972	
	31 Hexachlorobutadiene +	225	2.373	2.379	(1.042)	438520	78.4874	2620	
	32 4-Chloro-3-Methylphenol +	107	2.689	2.694	(1.181)	707774	72.2726	2410	
	33 2-Methylnaphthalene	142	2.716	2.721	(1.193)	1618050	72.7892	2430	
	145 1-Methylnapthalene	142	2.775	2.780	(1.218)	1492219	80.4202	2680	
	34 Hexachlorocyclopentadiene ++	237	2.817	2.817	(0.843)	392234	84.8183	2830	
	35 2,4,6-Trichlorophenol +	196	2.914	2.919	(0.872)	377713	83.0525	2770	
	36 2,4,5-Trichlorphenol	196	2.946	2.951	(0.882)	374274	80.2905	2680	
$	37 2-Fluorobiphenyl	172	2.951	2.951	(0.883)	756375	44.9825	1500	
	38 2-Chloronaphthalene	162	3.010	3.015	(0.901)	1210467	80.5794	2690	
	39 2-Nitroaniline	138	3.095	3.101	(0.926)	460447	84.9847	2830	
	40 Dimethylphthalate	163	3.213	3.213	(0.962)	1265430	76.3006	2540	
	41 2,6-Dinitrotoluene	165	3.245	3.251	(0.971)	313004	76.4061	2550	
	42 Acenaphthylene	152	3.256	3.261	(0.974)	2038546	102.466	3420	
	43 3-Nitroaniline	138	3.347	3.352	(1.002)	149715	42.0996	1400	
*	44 Acenaphthene-d10	164	3.341	3.347	(1.000)	522277	40.0000		
	45 Acenaphthene +	153	3.363	3.368	(1.006)	1343094	78.2181	2610	
	46 2,4-Dinitrophenol ++	184	3.416	3.422	(1.022)	165555	68.8251	2290(M1)	
	49 4-Nitrophenol ++	109	3.502	3.513	(1.048)	168130	72.3150	2410	
	47 Dibenzofuran	168	3.470	3.475	(1.038)	1699860	75.8800	2530	
	48 2,4-Dinitrotoluene	165	3.491	3.491	(1.045)	394235	73.5519	2450	
	50 Diethylphthalate	149	3.641	3.641	(1.090)	1240275	74.0540	2470	
	52 4-Chlorophenyl-phenylether	204	3.684	3.689	(1.102)	602955	77.2304	2570	
	51 Fluorene	166	3.678	3.678	(1.101)	1374652	74.3821	2480	
	53 4-Nitroaniline	138	3.721	3.727	(1.114)	260345	69.9190	2330	
	54 4,6-Dinitro-o-cresol	198	3.737	3.743	(0.881)	229185	82.1995	2740	
	55 N-nitrosodiphenylamine (1)+	169	3.764	3.769	(0.888)	893812	85.4867	2850	
	56 Azobenzene	77	3.780	3.785	(0.891)	1671297	92.6223	3090	
$	57 2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	210022	85.5440	2850	

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL	
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)	
	58 4-Bromophenyl-phenylether	248	3.978	3.983	(0.938)	318448	86.0740	2870	
	59 Hexachlorobenzene	284	4.010	4.015	(0.946)	394422	86.5766	2890	
	60 Pentachlorophenol +	266	4.144	4.154	(0.977)	210322	76.2835	2540	
*	61 Phenanthrene-d10	188	4.240	4.245	(1.000)	685082	40.0000		
	62 Phenanthrene	178	4.256	4.261	(1.004)	1673417	79.3292	2640	
	63 Anthracene	178	4.283	4.288	(1.010)	1692330	79.5045	2650	
	64 Carbazole	167	4.395	4.406	(1.037)	1417285	82.8708	2760	
	65 Di-n-butylphthalate	149	4.625	4.630	(1.091)	1736217	77.0541	2570	
	67 Fluoranthene +	202	4.973	4.978	(1.173)	1443520	73.7191	2460	
	68 Benzidine	184	5.107	5.128	(0.861)	8459	71.7021	2390	(M1)
	69 Pyrene	202	5.107	5.112	(0.861)	1463892	83.6704	2790	
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	502300	46.9361	1560	
	71 Butylbenzylphthalate	149	5.561	5.572	(0.938)	697887	83.9358	2800	
	73 3,3'-Dichlorobenzidine	252	5.925	5.941	(0.999)	168386	38.3892	1280	
	72 Benzo(a)anthracene	228	5.925	5.936	(0.999)	1167814	82.3680	2750	
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	438877	40.0000		
	76 bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.011)	917677	86.6295	2890	
	75 Chrysene	228	5.952	5.962	(1.004)	1184395	84.3207	2810	
	77 Di-n-octylphthalate +	149	6.492	6.503	(1.095)	1525515	83.5907	2790	
	78 Benzo(b)fluoranthene	252	6.727	6.743	(0.960)	1097081	85.8549	2860	
	79 Benzo(k)fluoranthene	252	6.749	6.765	(0.963)	1175782	78.3644	2610	
	80 Benzo(a)pyrene +	252	6.963	6.979	(0.994)	963364	80.1880	2670	
*	81 Perylene-d12	264	7.005	7.016	(1.000)	352961	40.0000		
	82 Indeno(1,2,3-cd)pyrene	276	7.743	7.759	(1.306)	1131695	66.9658	2230	
	83 Dibenzo(a,h)anthracene	278	7.754	7.770	(1.107)	1001619	71.4330	2380	
	84 Benzo(g,h,i)perylene	276	7.909	7.925	(1.129)	943880	74.3345	2480	
M	66 Total Methylphenol	108				1769742	150.160	5010	
	91 Acetophenone	105	1.742	1.742	(1.203)	1252369	78.8702	2630	
	155 Benzaldehyde	77	1.116	1.116	(0.771)	300980	72.8536	2430	
	156 Caprolactam	113	2.609	2.593	(1.146)	246457	76.1326	2540	
	157 Biphenyl	154	3.010	3.010	(1.322)	1694043	82.0138	2730	
	158 Atrazine	200	4.112	4.117	(0.970)	293141	90.6255	3020	
	174 1,4-Dioxane	88	0.352	0.341	(0.243)	92594	40.7096	1360	

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

Data File: /var/chem/MSSV5.i/2061211.s.b/d4460.d

Page 1

Date : 11-DEC-2006 08:14

Client ID: 1208LCSD

Instrument: MSSV5.i

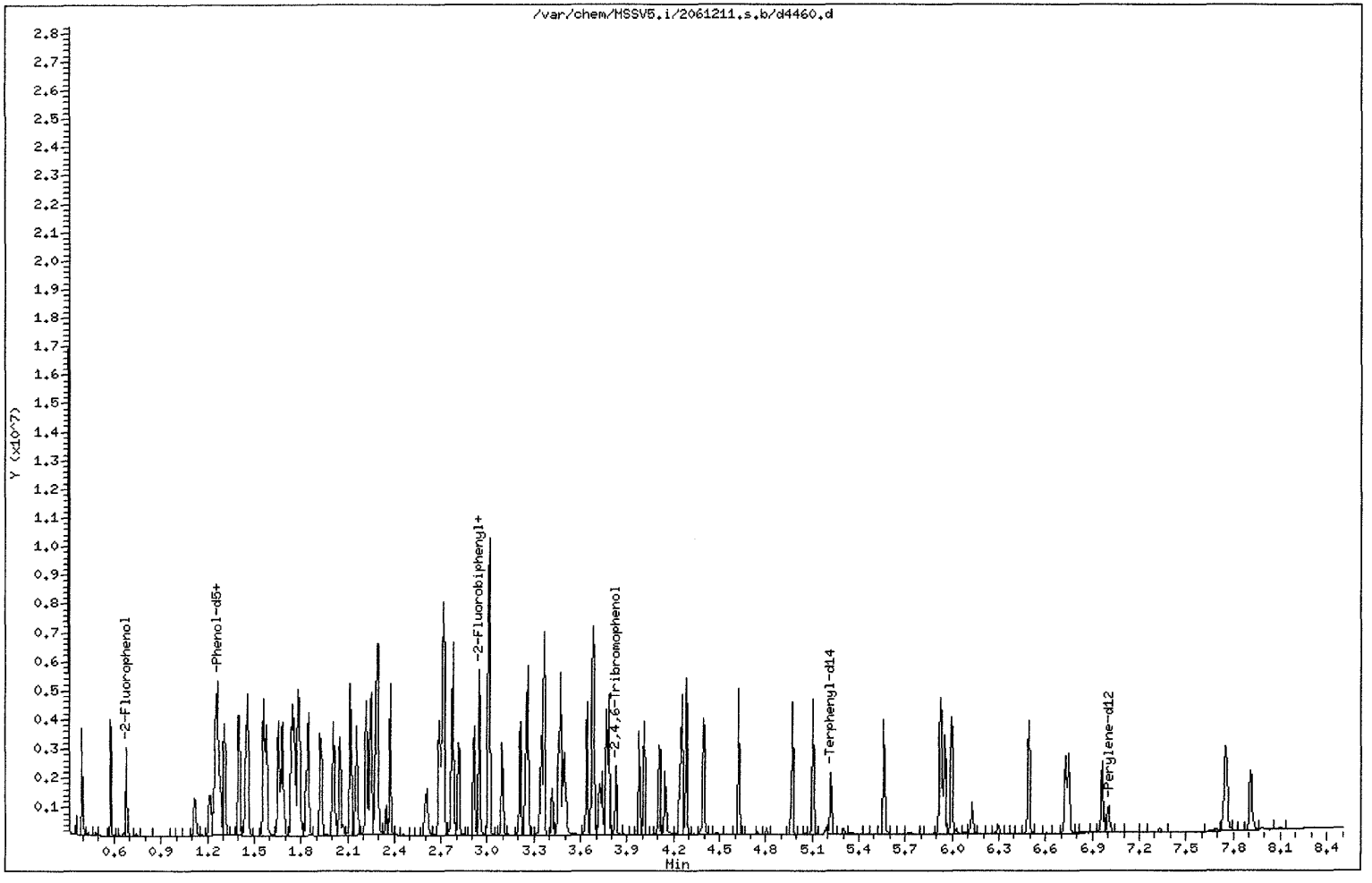
Sample Info: 436895*LCSD*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

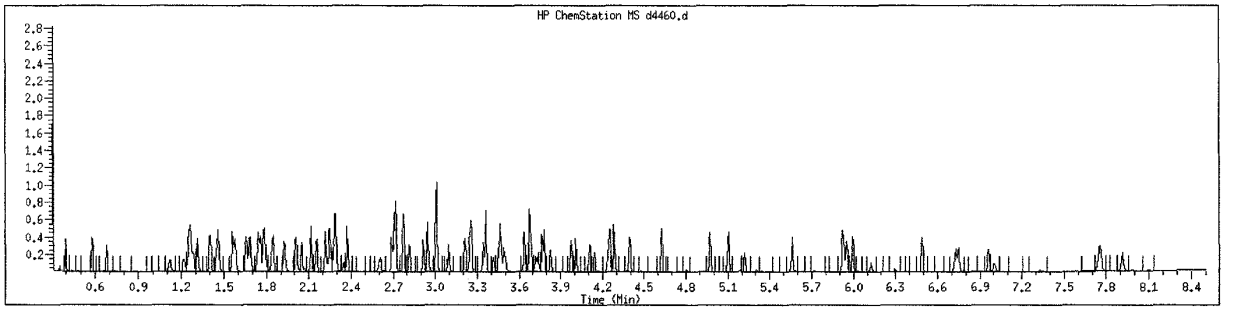
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4460.d Page: 1
Report Date: 12/11/2006 16:15

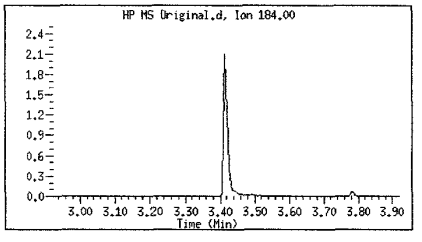
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 436895 SampleType : LCSD
Injection Date: 11-DEC-2006 08:14 Instrument : MSSV5.i
Operator : rrr
Sample Info : 436895*LCSD*
Misc Info : 1208LCSD*MSSV~4095~*LCSD*30.0-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



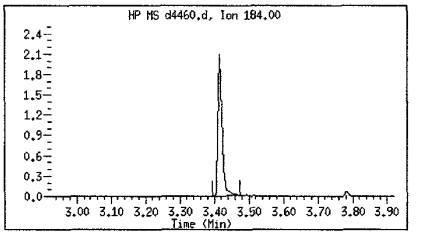
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1

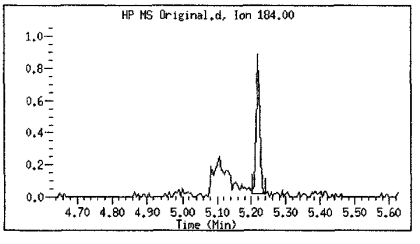


Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 16:15

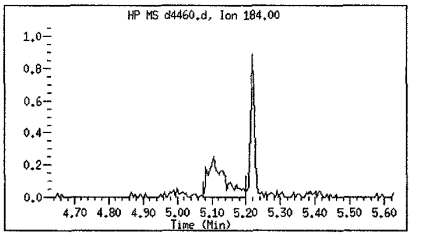


68 Benzidine CAS#: 92-87-5 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 16:14



000728

034816

M1- Compound response manually integrated because
Target system did not integrate.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED1-001 (0-0.5) MS
Contract:
Lab File ID: 2061211/d4464
Lab Sample ID: 20612072804
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0914
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	5.12		0.011	0.606
95-95-4	2,4,5-Trichlorophenol	4.44		0.014	0.606
88-06-2	2,4,6-Trichlorophenol	4.53		0.010	0.606
120-83-2	2,4-Dichlorophenol	4.26		0.046	0.606
51-28-5	2,4-Dinitrophenol	3.05	J	0.035	3.07
121-14-2	2,4-Dinitrotoluene	4.26		0.049	0.606
606-20-2	2,6-Dinitrotoluene	4.31		0.010	0.606
91-58-7	2-Chloronaphthalene	4.53		0.044	0.606
95-57-8	2-Chlorophenol	4.19		0.046	0.606
91-57-6	2-Methylnaphthalene	3.91		0.013	0.121
88-74-4	2-Nitroaniline	4.72		0.014	3.07
88-75-5	2-Nitrophenol	4.57		0.018	0.606
91-94-1	3,3'-Dichlorobenzidine	3.51		0.103	1.21
99-09-2	3-Nitroaniline	3.49		0.012	3.07
534-52-1	2-Methyl-4,6-dinitrophenol	3.84		0.023	3.07
59-50-7	4-Chloro-3-methylphenol	3.97		0.018	0.606
106-47-8	4-Chloroaniline	3.27		0.075	0.606
7005-72-3	4-Chlorophenyl-phenylether	4.33		0.00854	0.606
83-32-9	Acenaphthene	4.31		0.013	0.121
208-96-8	Acenaphthylene	5.86		0.013	0.121
98-86-2	Acetophenone	4.39		0.015	0.606
62-53-3	Aniline	6.79		0.078	0.606
120-12-7	Anthracene	4.37		0.00911	0.121
1912-24-9	Atrazine (Aatrex)	4.87		0.029	1.21
100-52-7	Benzaldehyde	7.82		0.048	1.21
92-87-5	Benzidine	28.8	E	0.576	2.42
56-55-3	Benzo(a)anthracene	4.52		0.011	0.121
50-32-8	Benzo(a)pyrene	4.26		0.014	0.121
205-99-2	Benzo(b)fluoranthene	4.99		0.012	0.606

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED1-001 (0-0.5) MS
Contract:
Lab File ID: 2061211/d4464
Lab Sample ID: 20612072804
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0914
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	4.35		0.049	0.606
207-08-9	Benzo(k)fluoranthene	3.95		0.016	0.606
65-85-0	Benzoic acid	2.04	J	0.283	3.07
100-51-6	Benzyl alcohol	4.55		0.013	0.606
92-52-4	Biphenyl	4.52		0.010	0.606
111-91-1	Bis(2-Chloroethoxy)methane	4.30		0.00942	0.606
111-44-4	Bis(2-Chloroethyl)ether	4.50		0.066	0.606
108-60-1	bis(2-Chloroisopropyl)ether	4.26		0.060	0.606
117-81-7	bis(2-ethylhexyl)phthalate	4.75		0.029	0.121
101-55-3	4-Bromophenyl-phenylether	4.74		0.023	0.606
85-68-7	Butylbenzylphthalate	4.63		0.014	0.606
105-60-2	Caprolactam	3.43		0.018	0.606
86-74-8	Carbazole	4.61		0.012	0.606
218-01-9	Chrysene	4.53		0.019	0.606
84-74-2	Di-n-butylphthalate	4.33		0.012	0.606
117-84-0	Di-n-octylphthalate	4.52		0.013	0.606
53-70-3	Dibenz(a,h)anthracene	4.00		0.057	0.121
132-64-9	Dibenzofuran	4.28		0.00778	0.606
84-66-2	Diethylphthalate	4.17		0.00995	0.606
131-11-3	Dimethyl-phthalate	4.28		0.036	0.606
105-67-9	2,4-Dimethylphenol	4.24		0.100	0.606
206-44-0	Fluoranthene	4.13		0.016	0.606
86-73-7	Fluorene	4.19		0.010	0.121
118-74-1	Hexachlorobenzene	4.72		0.018	0.606
77-47-4	Hexachlorocyclopentadiene	4.13		0.045	0.606
67-72-1	Hexachloroethane	3.60		0.081	0.606
193-39-5	Indeno(1,2,3-cd)pyrene	3.73		0.042	0.606
78-59-1	Isophorone	4.22		0.00845	0.606
100-01-6	4-Nitroaniline	4.17		0.071	3.07

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED1-001 (0-0.5) MS
Contract:
Lab File ID: 2061211/d4464
Lab Sample ID: 20612072804
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0914
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	4.35		0.062	0.606
100-02-7	4-Nitrophenol	3.87		0.015	3.07
87-86-5	Pentachlorophenol	3.69		0.054	3.07
85-01-8	Phenanthrene	4.39		0.00947	0.121
108-95-2	Phenol	4.26		0.013	0.606
129-00-0	Pyrene	4.59		0.028	0.606
110-86-1	Pyridine	3.49		0.090	0.606
1319-77-3M	m,p-Cresol	4.02		0.018	0.606
621-64-7	N-Nitroso-di-n-propylamine	4.02		0.014	0.121
62-75-9	N-Nitrosodimethylamine	3.73		0.073	0.606
86-30-6	N-Nitrosodiphenylamine	4.68		0.020	0.606
95-48-7	o-Cresol	4.15		0.031	0.606

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4464.d
Lab Smp Id: 20612072804 Client Smp ID: 20612072804
Inj Date : 11-DEC-2006 09:14
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072804*4482*
Misc Info : 20612072804*MSSV~4095~*120728*30.0-1*338464*
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 19 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	30.00000	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	0.394	0.389	(0.273)	291200	56.9075	1900
	1 n-Nitrosodimethylamine	42	0.389	0.384	(0.270)	109915	60.8602	2030
$	3 2-Fluorophenol	112	0.683	0.678	(0.474)	473324	83.6187	2790
$	4 Phenol-d5	99	1.250	1.256	(0.867)	996728	76.5438	2550
	5 Aniline	93	1.213	1.218	(0.841)	890208	110.954	3700
	6 Phenol +	94	1.261	1.266	(0.874)	1057317	69.7090	2320
	7 bis(-2-Chloroethyl)Ether	63	1.277	1.272	(0.885)	771286	73.5545	2450
	8 2-Chlorophenol	128	1.309	1.314	(0.907)	776978	68.3692	2280
	9 1,3-Dichlorobenzene	146	1.400	1.400	(0.970)	813635	61.1699	2040
*	10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	281631	40.0000	
	11 1,4-Dichlorobenzene +	146	1.459	1.459	(1.011)	822789	61.7938	2060

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
	12 Benzyl alcohol	108	1.576	1.582	(1.093)	590852	74.2837	2480
	13 1,2-Dichlorobenzene	146	1.560	1.560	(1.082)	804132	62.7370	2090
	15 2-Methylphenol	108	1.678	1.689	(1.163)	802973	67.8526	2260
	14 Bis(2-chloroisopropyl)ether	45	1.657	1.657	(1.148)	1569821	69.7405	2320
	17 3- & 4-Methylphenol	108	1.785	1.796	(1.237)	773139	65.7052	2190
	16 N-Nitroso-di-n-propylamine++	70	1.758	1.753	(1.219)	687810	65.7901	2190
	18 Hexachloroethane	117	1.780	1.780	(1.234)	305430	58.7069	1960
$	19 Nitrobenzene-d5	82	1.833	1.839	(0.805)	509065	41.6211	1390
	20 Nitrobenzene	77	1.849	1.849	(0.812)	992251	71.0314	2370
	21 Isophorone	82	2.004	2.004	(0.880)	1738294	69.0246	2300
	22 2-Nitrophenol +	139	2.052	2.052	(0.901)	439258	74.6602	2490
	23 2,4-Dimethyphenol	107	2.117	2.122	(0.930)	809679	69.1830	2310
	24 bis(-2-Chloroethoxy)methane	93	2.154	2.159	(0.946)	1009874	70.3257	2340
	25 Benzoic Acid	122	2.234	2.256	(0.981)	154943	33.4478	1110
	26 2,4-Dichlorophenol +	162	2.218	2.224	(0.974)	548733	69.5591	2320
	27 1,2,4-Trichlorobenzene	180	2.245	2.250	(0.986)	625331	68.2785	2280
*	28 Naphthalene-d8	136	2.277	2.282	(1.000)	1090421	40.0000	
	29 Naphthalene	128	2.288	2.293	(1.005)	2215899	68.1079	2270
	30 4-Chloroaniline	127	2.347	2.352	(1.031)	412234	53.5481	1780
	31 Hexachlorobutadiene +	225	2.373	2.379	(1.042)	383632	68.3048	2280
	32 4-Chloro-3-Methylphenol +	107	2.684	2.694	(1.179)	637340	64.7405	2160
	33 2-Methylnaphthalene	142	2.716	2.721	(1.193)	1427798	63.8951	2130
	145 1-Methylnapthalene	142	2.774	2.780	(1.218)	1331770	71.3982	2380
	34 Hexachlorocyclopentadiene ++	237	2.812	2.817	(0.842)	297254	67.4875	2250
	35 2,4,6-Trichlorophenol +	196	2.908	2.919	(0.870)	331169	74.2092	2470
	36 2,4,5-Trichlorphenol	196	2.940	2.951	(0.880)	332552	72.7028	2420
$	37 2-Fluorobiphenyl	172	2.946	2.951	(0.882)	710791	43.0790	1440
	38 2-Chloronaphthalene	162	3.010	3.015	(0.901)	1093090	74.1556	2470
	39 2-Nitroaniline	138	3.095	3.101	(0.926)	409467	77.0189	2570
	40 Dimethylphthalate	163	3.208	3.213	(0.960)	1137401	69.8909	2330
	41 2,6-Dinitrotoluene	165	3.245	3.251	(0.971)	283298	70.4756	2350
	42 Acenaphthylene	152	3.256	3.261	(0.974)	1866407	95.6055	3190
	43 3-Nitroaniline	138	3.347	3.352	(1.002)	192435	57.0414	1900
*	44 Acenaphthene-d10	164	3.341	3.347	(1.000)	512488	40.0000	
	45 Acenaphthene +	153	3.363	3.368	(1.006)	1185993	70.3882	2350
	46 2,4-Dinitrophenol ++	184	3.416	3.422	(1.022)	117451	49.7600	1660(M1)
	49 4-Nitrophenol ++	109	3.497	3.513	(1.046)	144658	63.4078	2110
	47 Dibenzofuran	168	3.470	3.475	(1.038)	1538012	69.9667	2330
	48 2,4-Dinitrotoluene	165	3.486	3.491	(1.043)	366659	69.7138	2320
	50 Diethylphthalate	149	3.641	3.641	(1.090)	1121479	68.2400	2270
	52 4-Chlorophenyl-phenylether	204	3.684	3.689	(1.102)	541658	70.7043	2360
	51 Fluorene	166	3.673	3.678	(1.099)	1238716	68.3069	2280
	53 4-Nitroaniline	138	3.721	3.727	(1.114)	250449	68.1925	2270
	54 4,6-Dinitro-o-cresol	198	3.737	3.743	(0.883)	172773	62.6547	2090
	55 N-nitrosodiphenylamine (1)+	169	3.764	3.769	(0.889)	790313	76.4269	2550
	56 Azobenzene	77	3.780	3.785	(0.893)	1494356	83.7357	2790
$	57 2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	189256	78.5582	2620

034822

		QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	FINAL (ug/Kg)
Compounds								
58	4-Bromophenyl-phenylether	248	3.978	3.983	(0.939)	283151	77.3831	2580
59	Hexachlorobenzene	284	4.010	4.015	(0.947)	348042	77.2442	2570
60	Pentachlorophenol +	266	4.144	4.154	(0.979)	164618	60.3696	2010
* 61	Phenanthrene-d10	188	4.235	4.245	(1.000)	677560	40.0000	
62	Phenanthrene	178	4.251	4.261	(1.004)	1493040	71.5641	2390
63	Anthracene	178	4.283	4.288	(1.011)	1504612	71.4704	2380
64	Carbazole	167	4.395	4.406	(1.038)	1273994	75.3194	2510
65	Di-n-butylphthalate	149	4.625	4.630	(1.092)	1575671	70.7053	2360
67	Fluoranthene +	202	4.967	4.978	(1.173)	1305223	67.3964	2250
68	Benzidine	184	5.074	5.128	(0.856)	55511	469.541	15700(AR)
69	Pyrene	202	5.106	5.112	(0.861)	1316676	75.0971	2500
$ 70	Terphenyl-d14	244	5.219	5.230	(0.880)	461993	43.0786	1440
71	Butylbenzylphthalate	149	5.561	5.572	(0.938)	630732	75.6987	2520
73	3,3'-Dichlorobenzidine	252	5.925	5.941	(0.999)	251602	57.2399	1910
72	Benzo(a)anthracene	228	5.925	5.936	(0.999)	1051193	73.9480	2460
* 74	Chrysene-d12	240	5.930	5.946	(1.000)	439806	40.0000	
76	bis(2-Ethylhexyl)phthalate	149	5.994	6.005	(1.011)	831915	77.7473	2590
75	Chrysene	228	5.952	5.962	(1.004)	1041038	73.9582	2470
77	Di-n-octylphthalate +	149	6.492	6.503	(1.095)	1351987	73.9257	2460
78	Benzo(b)fluoranthene	252	6.727	6.743	(0.961)	1024069	81.6756	2720
79	Benzo(k)fluoranthene	252	6.743	6.765	(0.963)	953573	64.5155	2150
80	Benzo(a)pyrene +	252	6.962	6.979	(0.995)	824206	69.6423	2320
* 81	Perylene-d12	264	7.000	7.016	(1.000)	347703	40.0000	
82	Indeno(1,2,3-cd)pyrene	276	7.743	7.759	(1.306)	1022088	60.8231	2030
83	Dibenzo(a,h)anthracene	278	7.754	7.770	(1.108)	901240	65.5093	2180
84	Benzo(g,h,i)perylene	276	7.909	7.925	(1.130)	887953	70.9875	2370
M 66	Total Methylphenol	108				1576112	133.558	4450
91	Acetophenone	105	1.742	1.742	(1.208)	1137645	71.5542	2390
155	Benzaldehyde	77	1.116	1.116	(0.774)	478042	127.897	4260(R)
156	Caprolactam	113	2.598	2.593	(1.141)	198731	56.0531	1870
157	Biphenyl	154	3.004	3.010	(1.319)	1555603	73.8816	2460
158	Atrazine	200	4.106	4.117	(0.970)	253967	79.3864	2650
174	1,4-Dioxane	88	0.352	0.341	(0.244)	101733	44.8479	1490

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.

034823

Data File: /var/chem/MSSV5.i/2061211.s.b/d4464.d

Page 1

Date : 11-DEC-2006 09:14

Client ID: 20612072804

Instrument: MSSV5.i

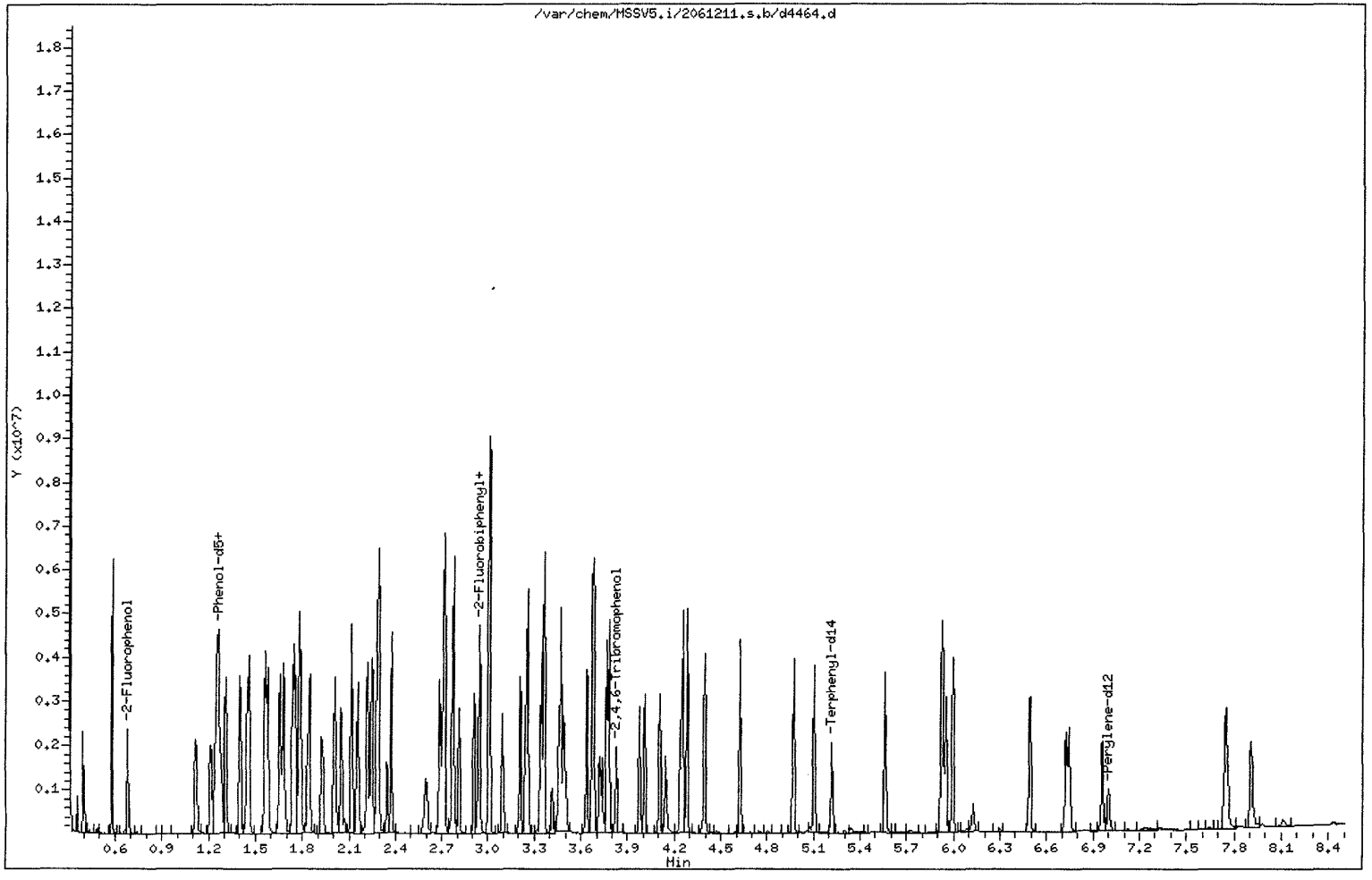
Sample Info: 20612072804*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

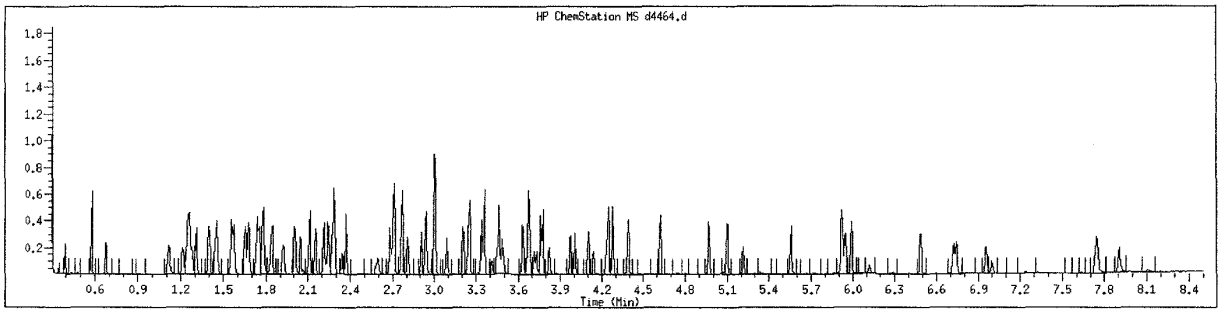
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4464.d Page: 1
Report Date: 12/11/2006 16:22

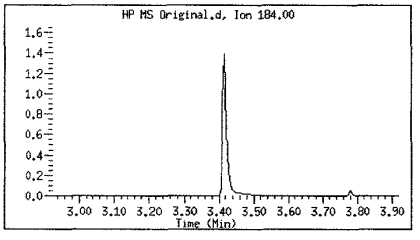
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072804 SampleType : MS
Injection Date: 11-DEC-2006 09:14 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072804*4482*
Misc Info : 20612072804*MSSV~4095~*120728*30.0-1*338464*
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



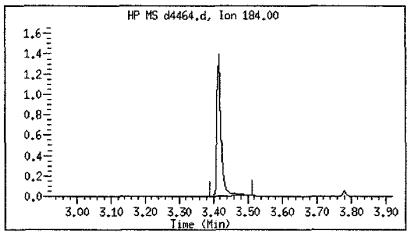
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 16:22



M1- Compound response manually integrated because
Target system did not integrate.

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED1-001 (0-0.5) MSD
Contract:
Lab File ID: 2061211/d4465
Lab Sample ID: 20612072805
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0928
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
122-66-7	1,2 Diphenylhydrazine	5.40		0.011	0.596
95-95-4	2,4,5-Trichlorophenol	4.24		0.014	0.596
88-06-2	2,4,6-Trichlorophenol	4.48		0.010	0.596
120-83-2	2,4-Dichlorophenol	4.08		0.045	0.596
51-28-5	2,4-Dinitrophenol	2.70	J	0.034	3.02
121-14-2	2,4-Dinitrotoluene	3.82		0.049	0.596
606-20-2	2,6-Dinitrotoluene	4.13		0.010	0.596
91-58-7	2-Chloronaphthalene	4.59		0.044	0.596
95-57-8	2-Chlorophenol	4.09		0.045	0.596
91-57-6	2-Methylnaphthalene	3.75		0.013	0.119
88-74-4	2-Nitroaniline	4.46		0.014	3.02
88-75-5	2-Nitrophenol	4.46		0.017	0.596
91-94-1	3,3'-Dichlorobenzidine	3.47		0.101	1.19
99-09-2	3-Nitroaniline	3.49		0.012	3.02
534-52-1	2-Methyl-4,6-dinitrophenol	3.58		0.023	3.02
59-50-7	4-Chloro-3-methylphenol	3.62		0.018	0.596
106-47-8	4-Chloroaniline	2.75		0.074	0.596
7005-72-3	4-Chlorophenyl-phenylether	4.17		0.00840	0.596
83-32-9	Acenaphthene	4.30		0.013	0.119
208-96-8	Acenaphthylene	5.73		0.013	0.119
98-86-2	Acetophenone	4.26		0.015	0.596
62-53-3	Aniline	5.56		0.077	0.596
120-12-7	Anthracene	4.39		0.00896	0.119
1912-24-9	Atrazine (Aatrex)	4.83		0.029	1.19
100-52-7	Benzaldehyde	7.14		0.047	1.19
92-87-5	Benzidine	23.3	E	0.567	2.38
56-55-3	Benzo(a)anthracene	4.55		0.011	0.119
50-32-8	Benzo(a)pyrene	4.30		0.014	0.119
205-99-2	Benzo(b)fluoranthene	4.22		0.011	0.596

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED1-001 (0-0.5) MSD
Contract:
Lab File ID: 2061211/d4465
Lab Sample ID: 20612072805
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0928
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
191-24-2	Benzo(g,h,i)perylene	5.10		0.048	0.596
207-08-9	Benzo(k)fluoranthene	4.30		0.016	0.596
65-85-0	Benzoic acid	1.22	J	0.278	3.02
100-51-6	Benzyl alcohol	4.35		0.013	0.596
92-52-4	Biphenyl	4.28		0.00995	0.596
111-91-1	Bis(2-Chloroethoxy)methane	4.22		0.00926	0.596
111-44-4	Bis(2-Chloroethyl)ether	4.41		0.065	0.596
108-60-1	bis(2-Chloroisopropyl)ether	4.17		0.059	0.596
117-81-7	bis(2-ethylhexyl)phthalate	4.75		0.028	0.119
101-55-3	4-Bromophenyl-phenylether	4.81		0.022	0.596
85-68-7	Butylbenzylphthalate	4.70		0.014	0.596
105-60-2	Caprolactam	2.90		0.018	0.596
86-74-8	Carbazole	4.48		0.012	0.596
218-01-9	Chrysene	4.37		0.019	0.596
84-74-2	Di-n-butylphthalate	4.24		0.012	0.596
117-84-0	Di-n-octylphthalate	4.52		0.012	0.596
53-70-3	Dibenz(a,h)anthracene	4.61		0.056	0.119
132-64-9	Dibenzofuran	4.17		0.00766	0.596
84-66-2	Diethylphthalate	3.86		0.00979	0.596
131-11-3	Dimethyl-phthalate	4.11		0.035	0.596
105-67-9	2,4-Dimethylphenol	4.11		0.098	0.596
206-44-0	Fluoranthene	3.89		0.016	0.596
86-73-7	Fluorene	4.00		0.010	0.119
118-74-1	Hexachlorobenzene	4.90		0.017	0.596
77-47-4	Hexachlorocyclopentadiene	4.17		0.044	0.596
67-72-1	Hexachloroethane	3.51		0.079	0.596
193-39-5	Indeno(1,2,3-cd)pyrene	4.81		0.041	0.596
78-59-1	Isophorone	4.15		0.00831	0.596
100-01-6	4-Nitroaniline	3.76		0.070	3.02

1B

SEMIVOLATILE ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 45.5 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: 2WSED1-001 (0-0.5) MSD
Contract:
Lab File ID: 2061211/d4465
Lab Sample ID: 20612072805
Date Collected: 12/06/06 Time: 1115
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/11/06 Time: 0928
Dilution Factor: 1 Analyst: RRR
Prep Method: 3550B
Analytical Method: SW-846 8270
Instrument ID: MSSV5
Prep Batch: 338464 Analytical Batch: 338577

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
98-95-3	Nitrobenzene	4.31		0.061	0.596
100-02-7	4-Nitrophenol	3.30		0.015	3.02
87-86-5	Pentachlorophenol	3.36		0.053	3.02
85-01-8	Phenanthrene	4.50		0.00932	0.119
108-95-2	Phenol	4.09		0.012	0.596
129-00-0	Pyrene	4.98		0.028	0.596
110-86-1	Pyridine	2.86		0.089	0.596
1319-77-3M	m,p-Cresol	3.84		0.017	0.596
621-64-7	N-Nitroso-di-n-propylamine	3.91		0.014	0.119
62-75-9	N-Nitrosodimethylamine	3.12		0.072	0.596
86-30-6	N-Nitrosodiphenylamine	4.79		0.020	0.596
95-48-7	o-Cresol	3.91		0.030	0.596

GCAL, Inc.

BNA QUANT AND RATIO REPORT

Data file : /var/chem/MSSV5.i/2061211.s.b/d4465.d
Lab Smp Id: 20612072805 Client Smp ID: 20612072805
Inj Date : 11-DEC-2006 09:28
Operator : rrr Inst ID: MSSV5.i
Smp Info : 20612072805*4482*
Misc Info : 20612072805*MSSV~4095~*120728*30.5-1X10*33846
Comment :
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Meth Date : 11-Dec-2006 16:07 rrr Quant Type: ISTD
Cal Date : 28-NOV-2006 17:15 Cal File: d4280.d
Als bottle: 20 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	30.00000	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	0.400	0.389	(0.277)	238324	46.8310	1560
	1 n-Nitrosodimethylamine	42	0.394	0.384	(0.273)	91782	51.1001	1700
$	3 2-Fluorophenol	112	0.678	0.678	(0.470)	465700	82.7253	2760
$	4 Phenol-d5	99	1.250	1.256	(0.867)	976579	75.4099	2510
	5 Aniline	93	1.213	1.218	(0.841)	783572	91.0328	3030
	6 Phenol +	94	1.261	1.266	(0.874)	1009315	66.9110	2230
	7 bis(-2-Chloroethyl)Ether	63	1.272	1.272	(0.881)	752349	72.1440	2400
	8 2-Chlorophenol	128	1.309	1.314	(0.907)	755442	66.8406	2230
	9 1,3-Dichlorobenzene	146	1.400	1.400	(0.970)	783796	59.2514	1980
*	10 1,4-Dichlorobenzene-d4	152	1.443	1.448	(1.000)	280087	40.0000	
	11 1,4-Dichlorobenzene +	146	1.459	1.459	(1.011)	807979	61.0161	2030

	Compounds	QUANT SIG MASS	RT	EXP RT	REL RT	RESPONSE	CONCENTRATIONS ON-COLUMN (ppm)	CONCENTRATIONS FINAL (ug/Kg)
12	Benzyl alcohol	108	1.577	1.582	(1.093)	562193	71.0702	2370
13	1,2-Dichlorobenzene	146	1.560	1.560	(1.082)	782017	61.3480	2040
15	2-Methylphenol	108	1.678	1.689	(1.163)	753609	64.0323	2130
14	Bis(2-chloroisopropyl)ether	45	1.657	1.657	(1.148)	1523922	68.0746	2270
17	3- & 4-Methylphenol	108	1.785	1.796	(1.237)	733748	62.7014	2090
16	N-Nitroso-di-n-propylamine++	70	1.758	1.753	(1.219)	669029	63.9359	2130
18	Hexachloroethane	117	1.774	1.780	(1.230)	296945	57.3906	1910
$ 19	Nitrobenzene-d5	82	1.833	1.839	(0.805)	508795	43.0036	1430
20	Nitrobenzene	77	1.844	1.849	(0.810)	953248	70.5433	2350
21	Isophorone	82	2.004	2.004	(0.880)	1654549	67.9174	2260
22	2-Nitrophenol +	139	2.047	2.052	(0.899)	415001	72.9188	2430
23	2,4-Dimethyphenol	107	2.117	2.122	(0.930)	761253	67.2414	2240
24	bis(-2-Chloroethoxy)methane	93	2.154	2.159	(0.946)	959591	69.0803	2300
25	Benzoic Acid	122	2.218	2.256	(0.974)	85062	19.9560	665
26	2,4-Dichlorophenol +	162	2.218	2.224	(0.974)	508766	66.6703	2220
27	1,2,4-Trichlorobenzene	180	2.245	2.250	(0.986)	605588	68.3554	2280
* 28	Naphthalene-d8	136	2.277	2.282	(1.000)	1054807	40.0000	
29	Naphthalene	128	2.288	2.293	(1.005)	2109293	67.0202	2230
30	4-Chloroaniline	127	2.341	2.352	(1.028)	345416	44.9163	1500
31	Hexachlorobutadiene +	225	2.373	2.379	(1.042)	372421	68.5475	2280
32	4-Chloro-3-Methylphenol +	107	2.684	2.694	(1.179)	562431	59.0603	1970
33	2-Methylnaphthalene	142	2.716	2.721	(1.193)	1325279	61.3097	2040
145	1-Methylnapthalene	142	2.775	2.780	(1.218)	1255214	69.5660	2320
34	Hexachlorocyclopentadiene ++	237	2.812	2.817	(0.842)	272441	68.0514	2270
35	2,4,6-Trichlorophenol +	196	2.908	2.919	(0.870)	296390	73.1521	2440
36	2,4,5-Trichlorphenol	196	2.940	2.951	(0.880)	287789	69.2981	2310
$ 37	2-Fluorobiphenyl	172	2.946	2.951	(0.882)	677101	45.1994	1510
38	2-Chloronaphthalene	162	3.010	3.015	(0.901)	1004722	75.0740	2500
39	2-Nitroaniline	138	3.090	3.101	(0.925)	351226	72.7646	2430
40	Dimethylphthalate	163	3.208	3.213	(0.960)	994773	67.3266	2240
41	2,6-Dinitrotoluene	165	3.245	3.251	(0.971)	246258	67.4747	2250
42	Acenaphthylene	152	3.256	3.261	(0.974)	1658819	93.5903	3120
43	3-Nitroaniline	138	3.347	3.352	(1.002)	174275	56.8789	1900
* 44	Acenaphthene-d10	164	3.342	3.347	(1.000)	465295	40.0000	
45	Acenaphthene +	153	3.363	3.368	(1.006)	1075912	70.3315	2340
46	2,4-Dinitrophenol ++	184	3.416	3.422	(1.022)	94466	44.0814	1470(M1)
49	4-Nitrophenol ++	109	3.497	3.513	(1.046)	111684	53.9196	1800
47	Dibenzofuran	168	3.470	3.475	(1.038)	1360326	68.1600	2270
48	2,4-Dinitrotoluene	165	3.486	3.491	(1.043)	298517	62.5145	2080
50	Diethylphthalate	149	3.636	3.641	(1.088)	938447	62.8945	2100
52	4-Chlorophenyl-phenylether	204	3.684	3.689	(1.102)	473909	68.1351	2270
51	Fluorene	166	3.673	3.678	(1.099)	1078124	65.4813	2180
53	4-Nitroaniline	138	3.716	3.727	(1.112)	209439	61.5368	2050
54	4,6-Dinitro-o-cresol	198	3.737	3.743	(0.883)	132567	58.6130	1950
55	N-nitrosodiphenylamine (1)+	169	3.764	3.769	(0.889)	664053	78.2944	2610
56	Azobenzene	77	3.780	3.785	(0.893)	1292002	88.2674	2940
$ 57	2,4,6-Tribromophenol	332	3.828	3.834	(1.146)	155591	71.1348	2370

034830

		QUANT SIG					CONCENTRATIONS ON-COLUMN	FINAL
	Compounds	MASS	RT	EXP RT	REL RT	RESPONSE	(ppm)	(ug/Kg)
	58 4-Bromophenyl-phenylether	248	3.978	3.983	(0.939)	235720	78.5426	2620
	59 Hexachlorobenzene	284	4.010	4.015	(0.947)	295719	80.0192	2670
	60 Pentachlorophenol +	266	4.144	4.154	(0.979)	122986	54.9892	1830
*	61 Phenanthrene-d10	188	4.235	4.245	(1.000)	555734	40.0000	
	62 Phenanthrene	178	4.251	4.261	(1.004)	1257216	73.4707	2450
	63 Anthracene	178	4.283	4.288	(1.011)	1235478	71.5513	2390
	64 Carbazole	167	4.395	4.406	(1.038)	1013954	73.0867	2440
	65 Di-n-butylphthalate	149	4.625	4.630	(1.092)	1264953	69.2056	2310
	67 Fluoranthene +	202	4.968	4.978	(1.173)	1009438	63.5496	2120
	68 Benzidine	184	5.080	5.128	(0.857)	31628	379.649	12700(AR)
	69 Pyrene	202	5.101	5.112	(0.860)	1003614	81.2319	2710
$	70 Terphenyl-d14	244	5.219	5.230	(0.880)	355973	47.1041	1570
	71 Butylbenzylphthalate	149	5.561	5.572	(0.938)	451578	76.9117	2560
	73 3,3'-Dichlorobenzidine	252	5.925	5.941	(0.999)	175286	56.5911	1890
	72 Benzo(a)anthracene	228	5.920	5.936	(0.998)	746604	74.5362	2480
*	74 Chrysene-d12	240	5.930	5.946	(1.000)	309917	40.0000	
	76 bis(2-Ethylhexyl)phthalate	149	5.995	6.005	(1.011)	585762	77.6814	2590
	75 Chrysene	228	5.946	5.962	(1.003)	707705	71.3489	2380
	77 Di-n-octylphthalate +	149	6.487	6.503	(1.094)	949565	73.6823	2460
	78 Benzo(b)fluoranthene	252	6.727	6.743	(0.961)	677180	68.9972	2300
	79 Benzo(k)fluoranthene	252	6.743	6.765	(0.963)	822622	70.2903	2340
	80 Benzo(a)pyrene +	252	6.957	6.979	(0.994)	657139	70.1260	2340
*	81 Perylene-d12	264	7.000	7.016	(1.000)	275311	40.0000	
	82 Indeno(1,2,3-cd)pyrene	276	7.744	7.759	(1.306)	950879	78.5506	2620
	83 Dibenzo(a,h)anthracene	278	7.754	7.770	(1.108)	824817	75.2456	2510
	84 Benzo(g,h,i)perylene	276	7.909	7.925	(1.130)	826263	83.4248	2780
M	66 Total Methylphenol	108				1487357	126.734	4220
	91 Acetophenone	105	1.742	1.742	(1.208)	1099202	69.5174	2320
	155 Benzaldehyde	77	1.117	1.116	(0.774)	439674	116.699	3890
	156 Caprolactam	113	2.593	2.593	(1.139)	169387	47.3418	1580
	157 Biphenyl	154	3.005	3.010	(1.319)	1436360	70.0457	2330
	158 Atrazine	200	4.106	4.117	(0.970)	206907	78.8542	2630
	174 1,4-Dioxane	88	0.352	0.341	(0.244)	130882	58.5070	1950

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.

Data File: /var/chem/MSSV5.i/2061211.s.b/d4465.d

Page 1

Date : 11-DEC-2006 09:28

Client ID: 20612072805

Instrument: MSSV5.i

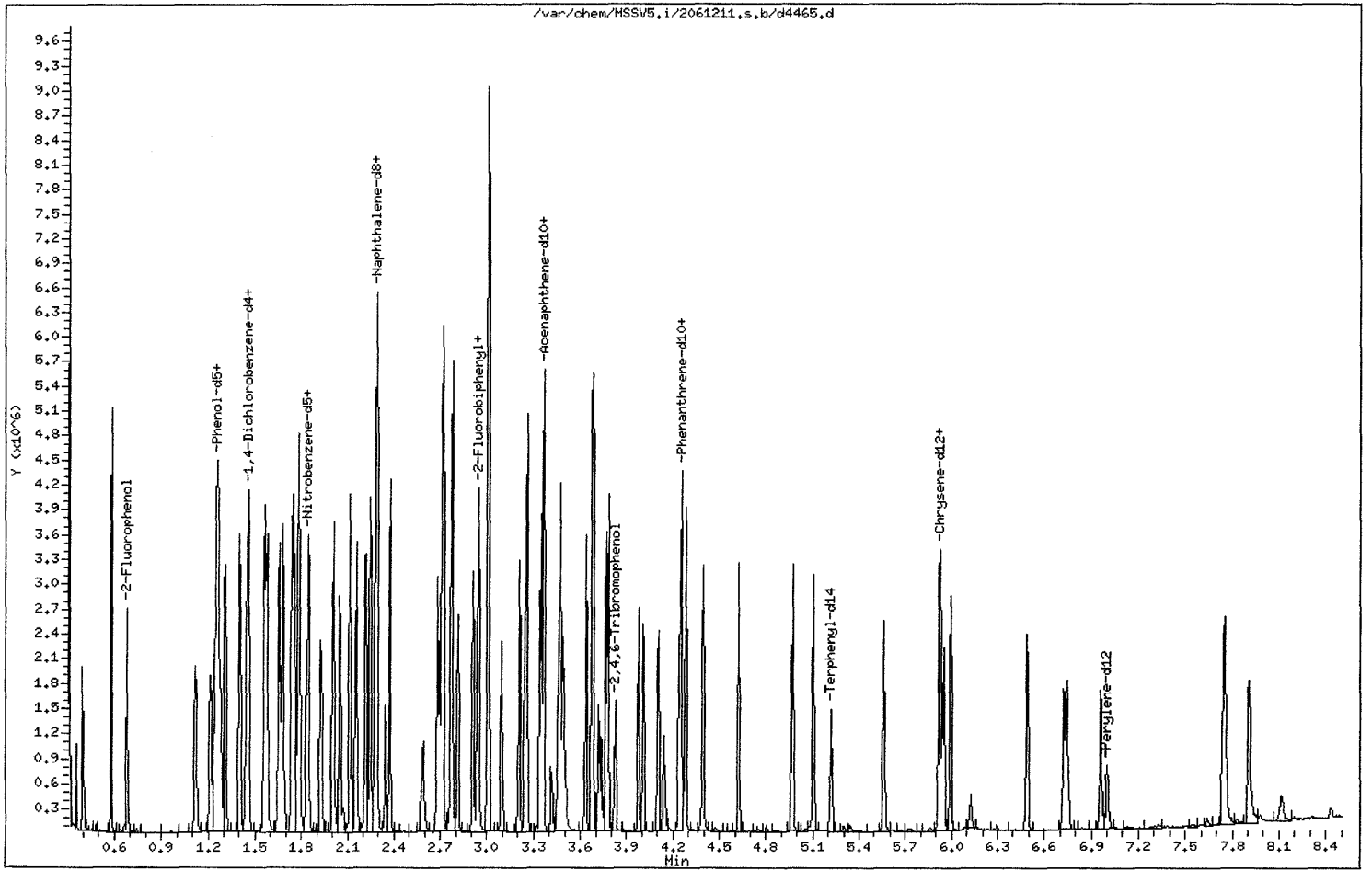
Sample Info: 20612072805*4482*

Volume Injected (uL): 1.0

Operator: rrr

Column phase: RTX-5MS-30M

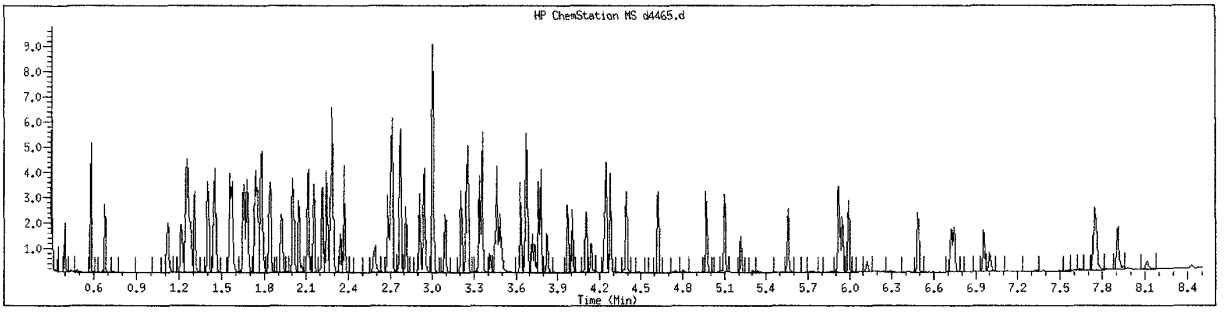
Column diameter: 0.25



Data file : /var/chem/MSSV5.i/2061211.s.b/d4465.d Page: 1
Report Date: 12/11/2006 16:25

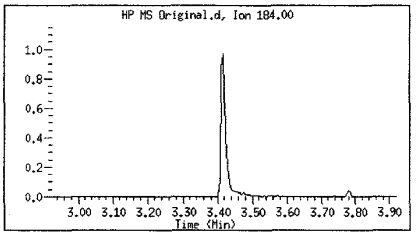
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID : 20612072805 SampleType : MSD
Injection Date: 11-DEC-2006 09:28 Instrument : MSSV5.i
Operator : rrr
Sample Info : 20612072805*4482*
Misc Info : 20612072805*MSSV~4095~*120728*30.5-1X10*33846
Method : /var/chem/MSSV5.i/2061211.s.b/8270CE_05.m
Dilution : 1.0
Matrix : SOIL
Integrator : HP RTE Compound Sublist: SA8270



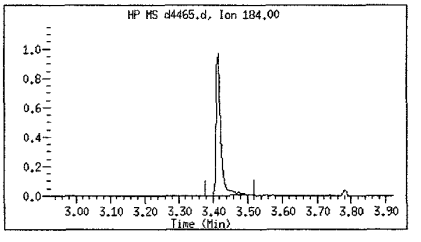
Original Final

46 2,4-Dinitrophenol ++ CAS#: 51-28-5 Reason: M1



Electronic Signature
Applied

User: rrr
Date: 11-Dec-2006 16:24



M1- Compound response manually integrated because
Target system did not integrate.

BASE NEUTRAL/ACID SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/8/06 17:00	BATCH NO:	338464
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 338464 [EXTO/15786]	436893	30.0	1.0				LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 338464 [EXTO/15786	436894	30.0	1.0				
3	QC ACCOUNT	LCSD for HBN 338464 [EXTO/1578	436895	30.0	1.0				SEPARATORY FUNNEL/3510
4	4482	SWSED1-001 (0-0.5)	20612072801	30.1	1.0				
5	4482	SWSED8-008 (0-0.5)	20612072802	30.4	1.0				SONICATOR/3550 ✓
6	4482	SWSED16-016 (0-0.5)	20612072803	30.0	1.0				
7	4482	SWSED1-001 (0-0.5) MS	20612072804	30.0	1.0				SOXHLET/3540
8	4482	SWSED1-001 (0-0.5) MSD	20612072805	30.5	1.0				
9	4482	SWSED2-002 (0-0.5)	20612072806	30.2	1.0				GPC CLEANUP/3640
10	4482	SWSED5-005 (0-0.5)	20612072807	30.0	1.0				
11	4482	SWSED6-006 (0-0.5)	20612072808	30.3	1.0				WASTE DILUTION/3580
12	4482	SWSED9-009 (0-0.5)	20612072809	30.3	1.0				
13	4482	SWSED10-010 (0-0.5)	20612072810	30.1	1.0				TCLP EXTRACTION FLUID 1
14	4482	SWSED11-011 (0-0.5)	20612072811	30.4	1.0				
15	4482	SWSED12-012 (0-0.5)	20612072812	30.2	1.0				TCLP EXTRACTION FLUID 2
16	4482	SWSED3-003 (0-0.5)	20612072813	30.1	1.0				
17	4482	SWSED3-003 (0-0.5)D	20612072814	30.4	1.0				MECL2/Acetone No:
18	4482	SWSED4-004 (0-0.5)	20612072815	30.0	1.0				C30E50
19	4482	SWSED15-015 (0-0.5)	20612072816	30.0	1.0				ACETONE LOT NO:
20	4482	SWSED7-007 (0-0.5)	20612072817	30.5	1.0				
21	4482	SWSED13-013 (0-0.5)	20612072818	30.3	1.0				MeCL2 Lot No:
22	4482	SWSED14-014 (0-0.5)	20612072819	30.1	1.0				
23	4482	SWSED17-017 (0-0.5)	20612072820	30.5	1.0				Sodium Sulfate Lot No:
24									C34605
25			12-9-6 SPA						
26									
27									
28									

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

SURROGATE ID	10-46-3	8270 SPIKE ID		625 SPIKE ID	10-42-3	TECHNICIAN	DATE
VOLUME	0.5ml	VOLUME		VOLUME	1.0ml	Lionel Thomas	12/8/06
CONCENTRATION	100/200ug/ml	CONCENTRATION		CONCENTRATION	100ug/ml		
NaOH		ACID				SUPERVISOR	DATE
SPIKE WITNESS	JT					Jody Quon	12-9-6

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 11-DEC-2006
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	4-55-15	d4446c.d	0.00 ml	11-DEC-2006 04:41	1.000	rrr	1	all
1100	4-55-15	d4446.d	0.00 ml	11-DEC-2006 04:41	1.000	rrr	1	all
1205	4-68-1	d4447.d	1000.00 ml	11-DEC-2006 04:56	1.000	rrr	2	8270C
1204	4-68-2	d4448.d	1000.00 ml	11-DEC-2006 05:16	1.000	rrr	3	8270C
1206	4-68-3	d4449.d	1000.00 ml	11-DEC-2006 05:31	1.000	rrr	4	8270C
1207	4-68-4	d4450.d	1000.00 ml	11-DEC-2006 05:45	1.000	rrr	5	8270C
1208	4-68-5	d4451.d	1000.00 ml	11-DEC-2006 06:00	1.000	rrr	6	8270C
1209	4-68-6	d4452.d	1000.00 ml	11-DEC-2006 06:16	1.000	rrr	7	8270C
1203	4-68-7	d4453.d	1000.00 ml	11-DEC-2006 06:30	1.000	rrr	8	8270C
1202	4-68-8	d4454.d	1000.00 ml	11-DEC-2006 06:45	1.000	rrr	9	8270C
1201	4-68-9	d4455.d	1000.00 ml	11-DEC-2006 07:00	1.000	rrr	10	8270C
1600	4-68-10	d4456.d	1000.00 ml	11-DEC-2006 07:15	1.000	rrr	11	ICV
436893	BLK	d4458.d	30.00 g	11-DEC-2006 07:45	1.000	rrr	13	SA8270
436894	LCS	d4459.d	30.00 g	11-DEC-2006 08:00	1.000	rrr	14	SA8270
436895	LCSD	d4460.d	30.00 g	11-DEC-2006 08:14	1.000	rrr	15	SA8270
20612072801	4482	d4461.d	30.10 g	11-DEC-2006 08:30	1.000	rrr	16	SA8270
20612072802	4482	d4462.d	30.40 g	11-DEC-2006 08:44	1.000	rrr	17	SA8270
20612072803	4482	d4463.d	30.00 g	11-DEC-2006 08:59	1.000	rrr	18	SA8270
20612072804	4482	d4464.d	30.00 g	11-DEC-2006 09:14	1.000	rrr	19	SA8270
20612072805	4482	d4465.d	30.00 g	11-DEC-2006 09:28	1.000	rrr	20	SA8270
20612072806	4482	d4466.d	30.00 g	11-DEC-2006 09:43	10.000	rrr	21	SA8270
20612072807	4482	d4467.d	30.00 g	11-DEC-2006 09:58	10.000	rrr	22	SA8270
20612072808	4482	d4468.d	30.00 g	11-DEC-2006 10:13	10.000	rrr	23	SA8270
20612072809	4482	d4469.d	30.30 g	11-DEC-2006 10:28	1.000	rrr	24	SA8270
20612072810	4482	d4470.d	30.10 g	11-DEC-2006 10:42	1.000	rrr	25	SA8270
20612072811	4482	d4471.d	30.40 g	11-DEC-2006 10:57	1.000	rrr	26	SA8270
20612072812	4482	d4472.d	30.20 g	11-DEC-2006 11:11	1.000	rrr	27	8270C
20612072813	4482	d4473.d	30.00 g	11-DEC-2006 11:26	10.000	rrr	28	SA8270
20612072814	4482	d4474.d	30.00 g	11-DEC-2006 11:41	10.000	rrr	29	SA8270
20612072815	4482	d4475.d	30.00 g	11-DEC-2006 11:55	10.000	rrr	30	SA8270
20612072816	4482	d4476.d	30.00 g	11-DEC-2006 12:10	10.000	rrr	31	SA8270
20612072817	4482	d4477.d	30.00 g	11-DEC-2006 12:25	1.000	rrr	32	SA8270
20612072818	4482	d4478.d	30.30 g	11-DEC-2006 12:40	1.000	rrr	33	SA8270
20612072819	4482	d4479.d	30.10 g	11-DEC-2006 12:54	1.000	rrr	34	SA8270
20612072820	4482	d4480.d	30.50 g	11-DEC-2006 13:09	1.000	rrr	35	SA8270
437138	BLK	d4481.d	1000.00 ml	11-DEC-2006 13:24	1.000	rrr	36	SA8270

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 11-DEC-2006
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
437139	LCS	d4482.d	1000.00 ml	11-DEC-2006 13:38	1.000	rrr	37	SA8270
437140	LCSD	d4483.d	1000.00 ml	11-DEC-2006 13:53	1.000	rrr	38	SA8270
20612072302	4482	d4484.d	1000.00 ml	11-DEC-2006 14:08	1.000	rrr	39	SA8270
20612072303	4482	d4485.d	1000.00 ml	11-DEC-2006 14:23	1.000	rrr	40	SA8270
20612072304	4482	d4486.d	1000.00 ml	11-DEC-2006 14:37	1.000	rrr	41	SA8270
20612072301	4482	d4487.d	1000.00 ml	11-DEC-2006 14:52	1.000	rrr	42	SA8270
20612072305	4482	d4488.d	1000.00 ml	11-DEC-2006 15:07	1.000	rrr	43	SA8270
20612072306	4482	d4489.d	1000.00 ml	11-DEC-2006 15:21	1.000	rrr	44	SA8270
20612072307	4482	d4490.d	1000.00 ml	11-DEC-2006 15:36	1.000	rrr	45	SA8270
20612072308	4482	d4491.d	1000.00 ml	11-DEC-2006 15:51	1.000	rrr	46	SA8270
20612072309	4482	d4492.d	1000.00 ml	11-DEC-2006 16:06	1.000	jar3	47	SA8270
20612092701	4565	d4493.d	1000.00 ml	11-DEC-2006 16:21	1.000	jar3	48	SA8270
20612092702	4565	d4494.d	1000.00 ml	11-DEC-2006 16:35	1.000	jar3	49	SA8270
20612091501	4565	d4495.d	1000.00 ml	11-DEC-2006 16:50	1.000	jar3	50	SA8270
20612091701	4565	d4496.d	1000.00 ml	11-DEC-2006 17:05	1.000	jar3	51	SA8270
20612083901	4565	d4497.d	1000.00 ml	11-DEC-2006 17:20	1.000	jar3	52	SA8270

034836

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 13-DEC-2006
Instrument: MSSV5.i

Standard	Conc ppm	Lot No. 4102
DFTPP	50	
Int. Standard	4000	

Inst. Conditions: _____

MISC: 437138-437298-436893-437682
437917-438024-438179

Sample ID		ClientName		DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments	
1100		4-55-15		d4528c.d	0.00 ml	13-DEC-2006 09:39	1.000	jar3	1	all	
1100		4-55-15		d4528.d	0.00 ml	13-DEC-2006 09:39	1.000	jar3	1	all	
1400		4-68-1		d4529.d	1000.00 ml	13-DEC-2006 09:54	1.000	jar3	2	8270C	
1400		4-68-1		d4530.d	1000.00 ml	13-DEC-2006 10:09	1.000	jar3	3	8270C	
1400		4-68-1		d4531.d	1000.00 ml	13-DEC-2006 10:28	1.000	jar3	4	8270C	
20612072816		4482		d4532.d	30.00 g	13-DEC-2006 10:42	5.000	jar3	5	SA8270	
20612072305		4482		d4533.d	1000.00 ml	13-DEC-2006 10:57	1.000	jar3	6	SA8270	
20612083901		4565		d4534.d	1000.00 ml	13-DEC-2006 11:12	1.000	jar3	7	SA8270	
20612091501		4565		d4535.d	1000.00 ml	13-DEC-2006 11:26	10.000	jar3	8	SA8270	
20612091701	a	4565	rs	d4536.d	1000.00 ml	13-DEC-2006 11:41	10.000	jar3	9	SA8270	20x ovc
20612112002		0176		d4537.d	1000.00 ml	13-DEC-2006 12:03	50.000	jar3	10	U43	
20612091701	a	4565		d4538.d	1000.00 ml	13-DEC-2006 12:21	20.000	jar3	23	SA8270	
20612110801		9000		d4539.d	200.00 ml	13-DEC-2006 12:35	1.000	jar3	11	TCLPBA	
20612091401		4380		d4540.d	1000.00 ml	13-DEC-2006 12:50	1.000	jar3	12	SA8270	
20612091402		4380		d4541.d	1000.00 ml	13-DEC-2006 13:05	1.000	jar3	13	SA8270	
20612091403		4380		d4542.d	1000.00 ml	13-DEC-2006 13:20	1.000	jar3	14	SA8270	
1212TBLK		TBLK		d4543.d	200.00 ml	13-DEC-2006 13:35	1.000	jar3	15	TCLPBA	
1212SPLPTBLK		SPLP		d4544.d	1000.00 ml	13-DEC-2006 13:50	1.000	jar3	16	SA8270	
437917		BLK		d4545.d	1000.00 ml	13-DEC-2006 14:05	1.000	jar3	17	SA8270	
437918		LCS		d4546.d	1000.00 ml	13-DEC-2006 14:20	1.000	jar3	18	SA8270	
20612114201		4514		d4547.d	1000.00 ml	13-DEC-2006 14:35	1.000	jar3	19	HEX	
20612120101		4511		d4548.d	1000.00 ml	13-DEC-2006 14:50	1.000	jar3	20	SA8270	
20612121002		4123		d4549.d	1000.00 ml	13-DEC-2006 15:05	1.000	jar3	21	PHENOL	
20612121202		4260		d4550.d	1000.00 ml	13-DEC-2006 15:20	1.000	jar3	22	PHENOL	
438024		BLK		d4551.d	1.00 g	13-DEC-2006 15:34	1.000	jar3	24	HEX	
438025		LCS		d4552.d	1.00 g	13-DEC-2006 15:49	1.000	jar3	25	HEX	
438026		LCSD		d4553.d	1.00 g	13-DEC-2006 16:04	1.000	jar3	26	HEX	
20612123201		4514		d4554.d	1.00 g	13-DEC-2006 16:19	10.000	jar3	27	HEX	
20612081601	b	4565	rs	d4555.d	1000.00 ml	13-DEC-2006 16:38	1.000	jar3	30	phthalates	10x iso
20612081702		4565		d4556.d	1000.00 ml	13-DEC-2006 16:53	1.000	jar3	31	SA8270	
20612081601	b	4565		d4557.d	1000.00 ml	13-DEC-2006 17:08	10.000	jar3	32	phthalates	
438027		4514		d4558.d	1.00 g	13-DEC-2006 17:23	10.000	jar3	28	HEX	
438028		4514		d4559.d	1.00 g	13-DEC-2006 17:37	10.000	jar3	29	HEX	
438179		BLK		d4560.d	1000.00 ml	14-DEC-2006 06:31	1.000	jar3	1	SA8270	
438180		LCS		d4561.d	1000.00 ml	14-DEC-2006 06:46	1.000	jar3	2	SA8270	
20612132301	c	4372	rs	d4562.d	1000.00 ml	14-DEC-2006 07:01	1.000	jar3	3	viola	25x ovc

034837

LABORATORY CHRONICLE: MSSV DEPARTMENT

Date: 13-DEC-2006
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
20612132401	4372	d4563.d	1000.00 ml	14-DEC-2006 07:15	1.000	jar3	4	viola
20612132501	4372	d4564.d	1000.00 ml	14-DEC-2006 07:30	1.000	jar3	5	viola
20612133702	4260	d4565.d	1000.00 ml	14-DEC-2006 07:45	1.000	jar3	6	phenol
20612132301 c	4372 rs	d4566.d	1000.00 ml	14-DEC-2006 08:00	25.000	jar3	7	viola 50x ovc
20612132301	4372	d4567.d	1000.00 ml	14-DEC-2006 08:14	50.000	jar3	8	viola

034838

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

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

Method: SW-846 8081

	EPA SAMPLE NO.	SMC1 1-(1)	#	1-(2)	#	SMC2 2-(1)	#	2-(2)	#	TOT OUT
1.	2WSED1-001 (0-0.5)	84				93				0
2.	2WSED8-008 (0-0.5)	103				134				0
3.	2WSED16-016 (0-0.5)	63				63				0
4.	2WSED1-001 (0-0.5) MS	78				116				0
5.	2WSED1-001 (0-0.5) MSD	117				137				0
6.	2WSED2-002 (0-0.5)	57				89				0
7.	2WSED5-005 (0-0.5)	59				97				0
8.	2WSED6-006 (0-0.5)	58				77				0
9.	2WSED9-009 (0-0.5)	114				151				0
10.	2WSED10-010 (0-0.5)	134				145				0
11.	2WSED11-011 (0-0.5)	121				137				0
12.	2WSED12-012 (0-0.5)	115				133				0
13.	2WSED3-003 (0-0.5)	54				132				0
14.	2WSED3-003 (0-0.5)D	69				0	*			1
15.	2WSED4-004 (0-0.5)	76				0	*			1
16.	2WSED15-015 (0-0.5)	54				98				0
17.	2WSED7-007 (0-0.5)	112				135				0
18.	2WSED13-013 (0-0.5)	105				125				0
19.	2WSED14-014 (0-0.5)	112				143				0
20.	2WSED17-017 (0-0.5)	60				71				0
21.	MB436885	117				120				0
22.	LCS436886	106				107				0
23.	MB444609	82				91				0
24.	LCS444610	79				83				0
25.	LCSD444611	73				82				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

FORM II ORG-2

000751

034839

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8081

Prep Batch: 340219 Analytical Batch: 340229

Spike HSN : 444610

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.017	0	.014	82		31 - 141
4,4'-DDE	mg/kg	.017	0	.014	82		30 - 145
4,4'-DDT	mg/kg	.017	0	.014	83		23 - 134
Aldrin	mg/kg	.017	0	.013	77		35 - 132
Dieldrin	mg/kg	.017	0	.014	82		31 - 134
Endosulfan I	mg/kg	.017	0	.00504	30	*	45 - 153
Endosulfan II	mg/kg	.017	0	.00697	42		0 - 202
Endosulfan sulfate	mg/kg	.017	0	.015	91		26 - 144
Endrin	mg/kg	.017	0	.015	89		42 - 139
Endrin aldehyde	mg/kg	.017	0	.00995	60		0 - 202
Endrin ketone	mg/kg	.017	0	.014	86		26 - 144
Heptachlor	mg/kg	.017	0	.014	84		35 - 130
Heptachlor epoxide	mg/kg	.017	0	.014	82		37 - 142
Methoxychlor	mg/kg	.017	0	.013	79		26 - 144
alpha-BHC	mg/kg	.017	0	.013	80		37 - 134
alpha-Chlordane	mg/kg	.017	0	.014	85		45 - 119
beta-BHC	mg/kg	.017	0	.013	78		17 - 147
delta-BHC	mg/kg	.017	0	.014	83		19 - 140
gamma-BHC (Lindane)	mg/kg	.017	0	.014	82		46 - 127
gamma-Chlordane	mg/kg	.017	0	.014	81		45 - 119

RPD : 0 out of 20 outside limits

Spike Recovery: 2 out of 40 outside limits

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8081

Prep Batch: 340219 Analytical Batch: 340229

Spike Dupe HSN : 444611

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	.014	84		0		31 - 141	0 - 40
4,4'-DDE	mg/kg	.017	.014	82		0		30 - 145	0 - 40
4,4'-DDT	mg/kg	.017	.014	82		0		23 - 134	0 - 40
Aldrin	mg/kg	.017	.013	76		0		35 - 132	0 - 40
Dieldrin	mg/kg	.017	.014	82		0		31 - 134	0 - 40
Endosulfan I	mg/kg	.017	.00497	30	*	1		45 - 153	0 - 40
Endosulfan II	mg/kg	.017	.00699	42		.3		0 - 202	0 - 40
Endosulfan sulfate	mg/kg	.017	.015	91		0		26 - 144	0 - 40
Endrin	mg/kg	.017	.015	88		0		42 - 139	0 - 40
Endrin aldehyde	mg/kg	.017	.00965	58		3		0 - 202	0 - 40
Endrin ketone	mg/kg	.017	.015	87		7		26 - 144	0 - 40
Heptachlor	mg/kg	.017	.013	80		7		35 - 130	0 - 40
Heptachlor epoxide	mg/kg	.017	.014	82		0		37 - 142	0 - 40
Methoxychlor	mg/kg	.017	.013	79		0		26 - 144	0 - 40
alpha-BHC	mg/kg	.017	.013	77		0		37 - 134	0 - 40
alpha-Chlordane	mg/kg	.017	.014	84		0		45 - 119	0 - 40
beta-BHC	mg/kg	.017	.013	79		0		17 - 147	0 - 40
delta-BHC	mg/kg	.017	.014	82		0		19 - 140	0 - 40
gamma-BHC (Lindane)	mg/kg	.017	.013	80		7		46 - 127	0 - 40
gamma-Chlordane	mg/kg	.017	.014	81		0		45 - 119	0 - 40

RPD : 0 out of 20 outside limits

Spike Recovery: 2 out of 40 outside limits

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8081

Prep Batch: 338462 Analytical Batch: 339131

Spike HSN : 436886

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.017	0	.02	121		31 - 141
4,4'-DDE	mg/kg	.017	0	.019	113		30 - 145
4,4'-DDT	mg/kg	.017	0	.02	118		23 - 134
Aldrin	mg/kg	.017	0	.018	109		35 - 132
Dieldrin	mg/kg	.017	0	.019	112		31 - 134
Endosulfan I	mg/kg	.017	0	.013	79		45 - 153
Endosulfan II	mg/kg	.017	0	.017	99		0 - 202
Endosulfan sulfate	mg/kg	.017	0	.021	124		26 - 144
Endrin	mg/kg	.017	0	.019	114		42 - 139
Endrin aldehyde	mg/kg	.017	0	.017	104		0 - 202
Endrin ketone	mg/kg	.017	0	.021	125		26 - 144
Heptachlor	mg/kg	.017	0	.018	107		35 - 130
Heptachlor epoxide	mg/kg	.017	0	.018	107		37 - 142
Methoxychlor	mg/kg	.017	0	.02	118		26 - 144
alpha-BHC	mg/kg	.017	0	.018	108		37 - 134
alpha-Chlordane	mg/kg	.017	0	.02	117		45 - 119
beta-BHC	mg/kg	.017	0	.018	106		17 - 147
delta-BHC	mg/kg	.017	0	.019	116		19 - 140
gamma-BHC (Lindane)	mg/kg	.017	0	.018	109		46 - 127
gamma-Chlordane	mg/kg	.017	0	.018	109		45 - 119

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: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8081

Prep Batch: 338462 Analytical Batch: 339131

Spike HSN : 20612072804

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*MS % REC FLAG*	*QC. LIMITS*
4,4'-DDD	mg/kg	.031	0	.035	117		31 - 141
4,4'-DDE	mg/kg	.031	0	.028	89		30 - 145
4,4'-DDT	mg/kg	.031	0	.00518	17	*	23 - 134
Aldrin	mg/kg	.031	0	.024	78		35 - 132
Dieldrin	mg/kg	.031	0	.026	87		31 - 134
Endosulfan I	mg/kg	.031	0	.02	64		45 - 153
Endosulfan II	mg/kg	.031	0	.031	101		0 - 202
Endosulfan sulfate	mg/kg	.031	0	.026	87		26 - 144
Endrin	mg/kg	.031	0	.022	74		42 - 139
Endrin aldehyde	mg/kg	.031	0	.026	84		0 - 202
Endrin ketone	mg/kg	.031	0	.017	54		26 - 144
Heptachlor	mg/kg	.031	0	.013	44		35 - 130
Heptachlor epoxide	mg/kg	.031	0	.026	84		37 - 142
Methoxychlor	mg/kg	.031	0	.00841	28		26 - 144
alpha-BHC	mg/kg	.031	0	.022	72		37 - 134
alpha-Chlordane	mg/kg	.031	0	.028	87		45 - 119
beta-BHC	mg/kg	.031	0	.017	56		17 - 147
delta-BHC	mg/kg	.031	0	.024	79		19 - 140
gamma-BHC (Lindane)	mg/kg	.031	0	.017	56		46 - 127
gamma-Chlordane	mg/kg	.031	0	.026	87		45 - 119

RPD : 9 out of 20 outside limits

Spike Recovery: 6 out of 40 outside limits

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8081

Prep Batch: 338462 Analytical Batch: 339131

Spike Dupe HSN : 20612072805

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*RPD*
4,4'-DDD	mg/kg	.031	.055	180	*	45	*	31 - 141	0 - 40
4,4'-DDE	mg/kg	.031	.04	134		38		30 - 145	0 - 40
4,4'-DDT	mg/kg	.031	.00575	19	*	10		23 - 134	0 - 40
Aldrin	mg/kg	.031	.037	120		42	*	35 - 132	0 - 40
Dieldrin	mg/kg	.031	.04	132		44	*	31 - 134	0 - 40
Endosulfan I	mg/kg	.031	.029	95		37		45 - 153	0 - 40
Endosulfan II	mg/kg	.031	.046	147		38		0 - 202	0 - 40
Endosulfan sulfate	mg/kg	.031	.039	129		40		26 - 144	0 - 40
Endrin	mg/kg	.031	.035	116		45	*	42 - 139	0 - 40
Endrin aldehyde	mg/kg	.031	.037	120		35		0 - 202	0 - 40
Endrin ketone	mg/kg	.031	.022	73		28		26 - 144	0 - 40
Heptachlor	mg/kg	.031	.024	80		56	*	35 - 130	0 - 40
Heptachlor epoxide	mg/kg	.031	.039	127		40		37 - 142	0 - 40
Methoxychlor	mg/kg	.031	.0071	23	*	17		26 - 144	0 - 40
alpha-BHC	mg/kg	.031	.037	120		50	*	37 - 134	0 - 40
alpha-Chlordane	mg/kg	.031	.04	134	*	38		45 - 119	0 - 40
beta-BHC	mg/kg	.031	.031	102		58	*	17 - 147	0 - 40
delta-BHC	mg/kg	.031	.039	129		47	*	19 - 140	0 - 40
gamma-BHC (Lindane)	mg/kg	.031	.031	102		58	*	46 - 127	0 - 40
gamma-Chlordane	mg/kg	.031	.039	129	*	40		45 - 119	0 - 40

RPD : 9 out of 20 outside limits

Spike Recovery: 6 out of 40 outside limits

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB444609

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

Lab Sample ID: 444609 | SAS No.: | SDG No.: 206120728

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/27/06

Date Analyzed (1): 01/04/07 | Time (1): 1431 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS17A | Instrument ID (2):

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

Method: SW-846 8081 | Prep Batch: 340219 | Analytical Batch: 340229

Lab File ID: 2070104b/sv17a

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS444610	444610	01/04/07	1452		
2.	LCSD444611	444611	01/04/07	1513		
3.	2WSED16-016 (0-0.5)	20612072803	01/05/07	1100		
4.	2WSED2-002 (0-0.5)	20612072806	01/05/07	1121		
5.	2WSED5-005 (0-0.5)	20612072807	01/05/07	1142		
6.	2WSED6-006 (0-0.5)	20612072808	01/05/07	1203		
7.	2WSED3-003 (0-0.5)	20612072813	01/05/07	1224		
8.	2WSED3-003 (0-0.5)D	20612072814	01/05/07	1245		
9.	2WSED4-004 (0-0.5)	20612072815	01/05/07	1306		
10.	2WSED15-015 (0-0.5)	20612072816	01/05/07	1327		
11.	2WSED17-017 (0-0.5)	20612072820	01/05/07	1348		

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB436885

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

Lab Sample ID: 436885 | SAS No.: | SDG No.: 206120728

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/08/06

Date Analyzed (1): 12/16/06 | Time (1): 1238 | Date Analyzed (2): | Time (2):

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

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

Method: SW-846 8081 | Prep Batch: 338462 | Analytical Batch: 339131

Lab File ID: 2061216/sv18a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	2WSED1-001 (0-0.5)	20612072801	12/16/06	1411		
2.	2WSED8-008 (0-0.5)	20612072802	12/16/06	1430		
3.	2WSED1-001 (0-0.5) MS	20612072804	12/16/06	1508		
4.	2WSED1-001 (0-0.5) MSD	20612072805	12/16/06	1526		
5.	LCS436886	436886	12/18/06	0951		
6.	2WSED9-009 (0-0.5)	20612072809	12/18/06	1010		
7.	2WSED10-010 (0-0.5)	20612072810	12/18/06	1028		
8.	2WSED11-011 (0-0.5)	20612072811	12/18/06	1047		
9.	2WSED12-012 (0-0.5)	20612072812	12/18/06	1106		
10.	2WSED7-007 (0-0.5)	20612072817	12/19/06	1049		
11.	2WSED13-013 (0-0.5)	20612072818	12/19/06	1107		
12.	2WSED14-014 (0-0.5)	20612072819	12/19/06	1126		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED1-001 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.5 | Units: g | Lab Sample ID: 20612072801

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1115

% Moisture: 22.5 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1411

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00254	U	0.000368	0.00254
72-55-9	4,4'-DDE	0.00254	U	0.000495	0.00254
50-29-3	4,4'-DDT	0.00254	U	0.000559	0.00254
309-00-2	Aldrin	0.00127	U	0.000381	0.00127
60-57-1	Dieldrin	0.00254	U	0.000381	0.00254
959-98-8	Endosulfan I	0.00127	U	0.000292	0.00127
33213-65-9	Endosulfan II	0.00254	U	0.000317	0.00254
1031-07-8	Endosulfan sulfate	0.00254	U	0.000457	0.00254
72-20-8	Endrin	0.00254	U	0.000464	0.00254
7421-93-4	Endrin aldehyde	0.00254	U	0.000476	0.00254
53494-70-5	Endrin ketone	0.00254	U	0.000406	0.00254
76-44-8	Heptachlor	0.00127	U	0.000381	0.00127
1024-57-3	Heptachlor epoxide	0.00127	U	0.000527	0.00127
72-43-5	Methoxychlor	0.013	U	0.000635	0.013
8001-35-2	Toxaphene	0.127	U	0.00595	0.127
319-84-6	alpha-BHC	0.00127	U	0.000483	0.00127
5103-71-9	alpha-Chlordane	0.00127	U	0.000400	0.00127
319-85-7	beta-BHC	0.00254	U	0.000521	0.00254
319-86-8	delta-BHC	0.00127	U	0.000470	0.00127
58-89-9	gamma-BHC (Lindane)	0.00127	U	0.000368	0.00127
5103-74-2	gamma-Chlordane	0.00127	U	0.000451	0.00127

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a009.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a009.d
Lab Smp Id: 20612072801
Inj Date : 16-DEC-2006 14:11
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072801*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.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	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

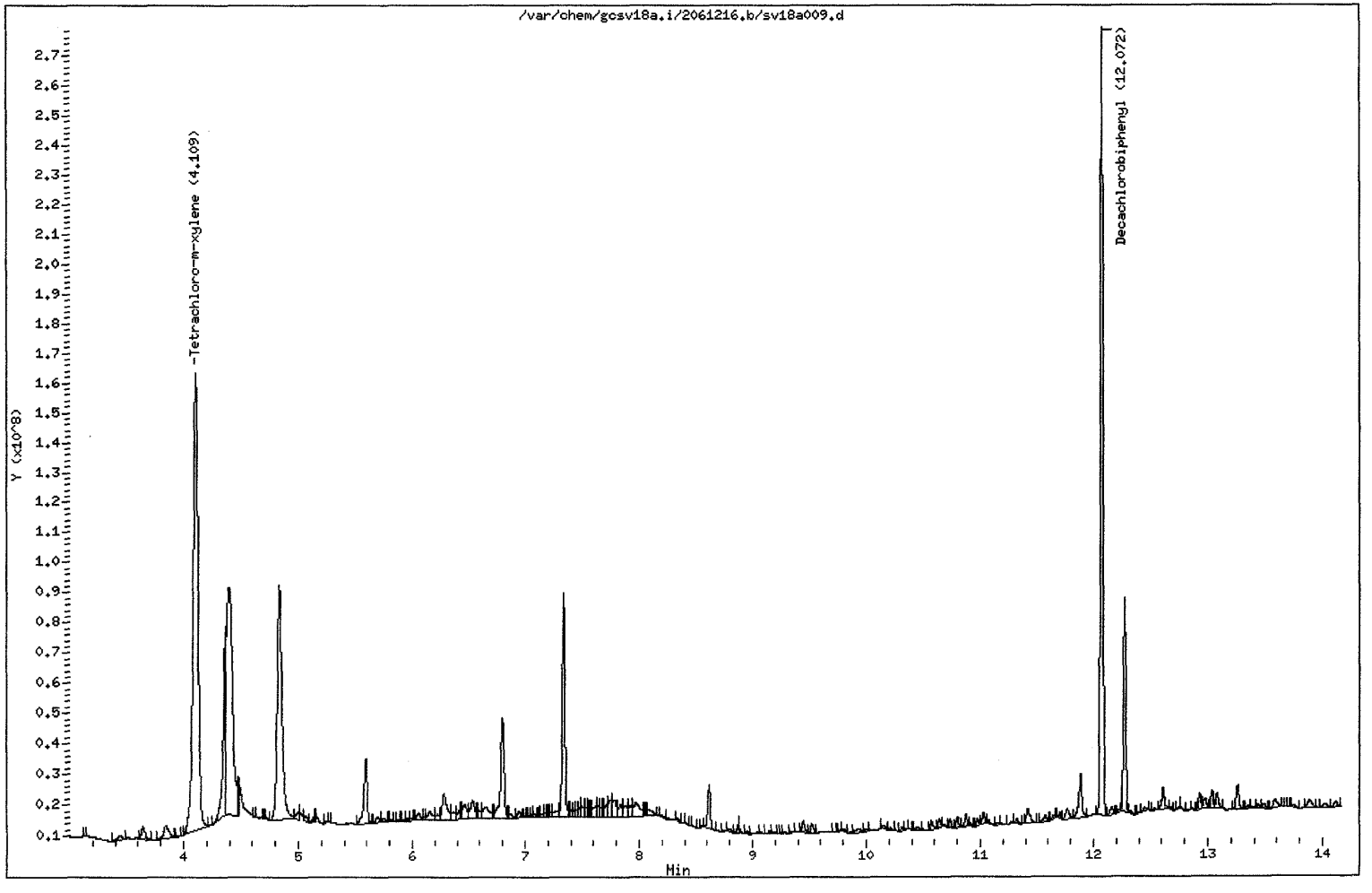
					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.109	4.116	-0.007	450089963	83.8364	14
$ 22 Decachlorobiphenyl	12.072	12.078	-0.006	380264355	93.5494	15

000760

034848

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a009.d
Date : 16-DEC-2006 14:11
Client ID:
Sample Info: 20612072801*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30.3 Units: g
Level: (low/med) LOW
% Moisture: 32.0 decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 338462 Analytical Batch: 339131

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED8-008 (0-0.5)
Contract:
SAS No.: SDG No.: 206120728
Lab Sample ID: 20612072802
Date Collected: 12/06/06 Time: 1015
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/16/06 Time: 1430
Dilution Factor: 1 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8081
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2061216/sv18a010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00291	U	0.000422	0.00291
72-55-9	4,4'-DDE	0.00291	U	0.000568	0.00291
50-29-3	4,4'-DDT	0.00291	U	0.000640	0.00291
309-00-2	Aldrin	0.00146	U	0.000437	0.00146
60-57-1	Dieldrin	0.00291	U	0.000437	0.00291
959-98-8	Endosulfan I	0.00146	U	0.000335	0.00146
33213-65-9	Endosulfan II	0.00291	U	0.000364	0.00291
1031-07-8	Endosulfan sulfate	0.00291	U	0.000524	0.00291
72-20-8	Endrin	0.00291	U	0.000531	0.00291
7421-93-4	Endrin aldehyde	0.00291	U	0.000546	0.00291
53494-70-5	Endrin ketone	0.00291	U	0.000466	0.00291
76-44-8	Heptachlor	0.00146	U	0.000437	0.00146
1024-57-3	Heptachlor epoxide	0.00146	U	0.000604	0.00146
72-43-5	Methoxychlor	0.015	U	0.000728	0.015
8001-35-2	Toxaphene	0.146	U	0.00682	0.146
319-84-6	alpha-BHC	0.00146	U	0.000553	0.00146
5103-71-9	alpha-Chlordane	0.00146	U	0.000458	0.00146
319-85-7	beta-BHC	0.00291	U	0.000597	0.00291
319-86-8	delta-BHC	0.00146	U	0.000539	0.00146
58-89-9	gamma-BHC (Lindane)	0.00146	U	0.000422	0.00146
5103-74-2	gamma-Chlordane	0.00146	U	0.000517	0.00146

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a010.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a010.d
Lab Smp Id: 20612072802
Inj Date : 16-DEC-2006 14:30
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072802*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.113	4.116	-0.003	553390877	103.078	17(A)
$ 22 Decachlorobiphenyl	12.077	12.078	-0.001	544691476	134.000	22

QC Flag Legend

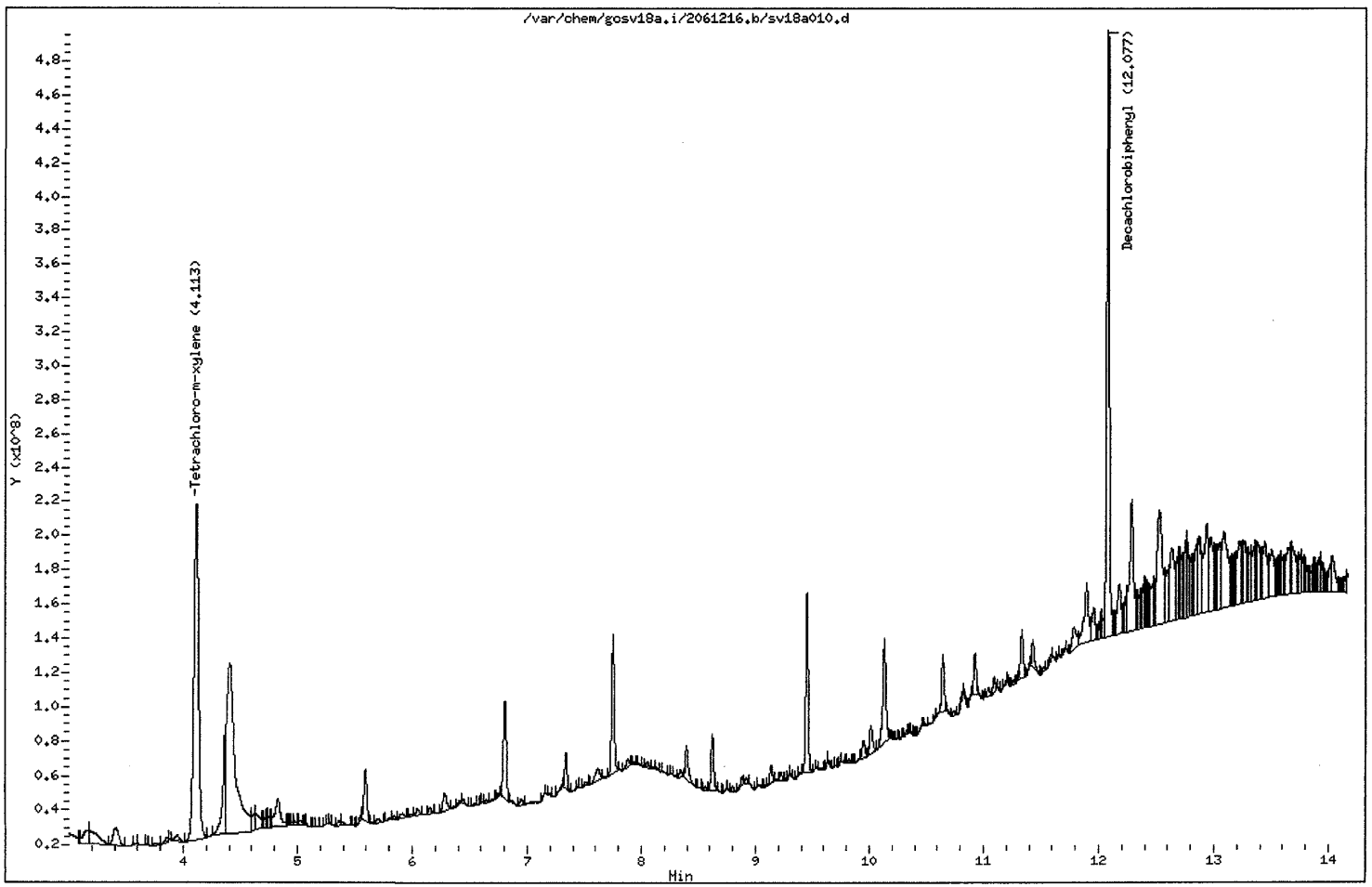
A - Target compound detected but, quantitated amount exceeded maximum amount.

000763

034851

000764

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a010.d
Date : 16-DEC-2006 14:30
Client ID:
Instrument: gcsv18a.i
Sample Info: 20612072802*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



034852

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b010.d
Report Date: 11-Jan-2007 15:36

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b010.d
Lab Smp Id: 20612072802
Inj Date : 16-DEC-2006 14:49
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20612072802*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 14:46 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 10
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	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.834	4.825	0.009	672160600	102.259	17(A)
$ 22 Decachlorobiphenyl	12.344	12.337	0.007	636514854	119.555	20

QC Flag Legend

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

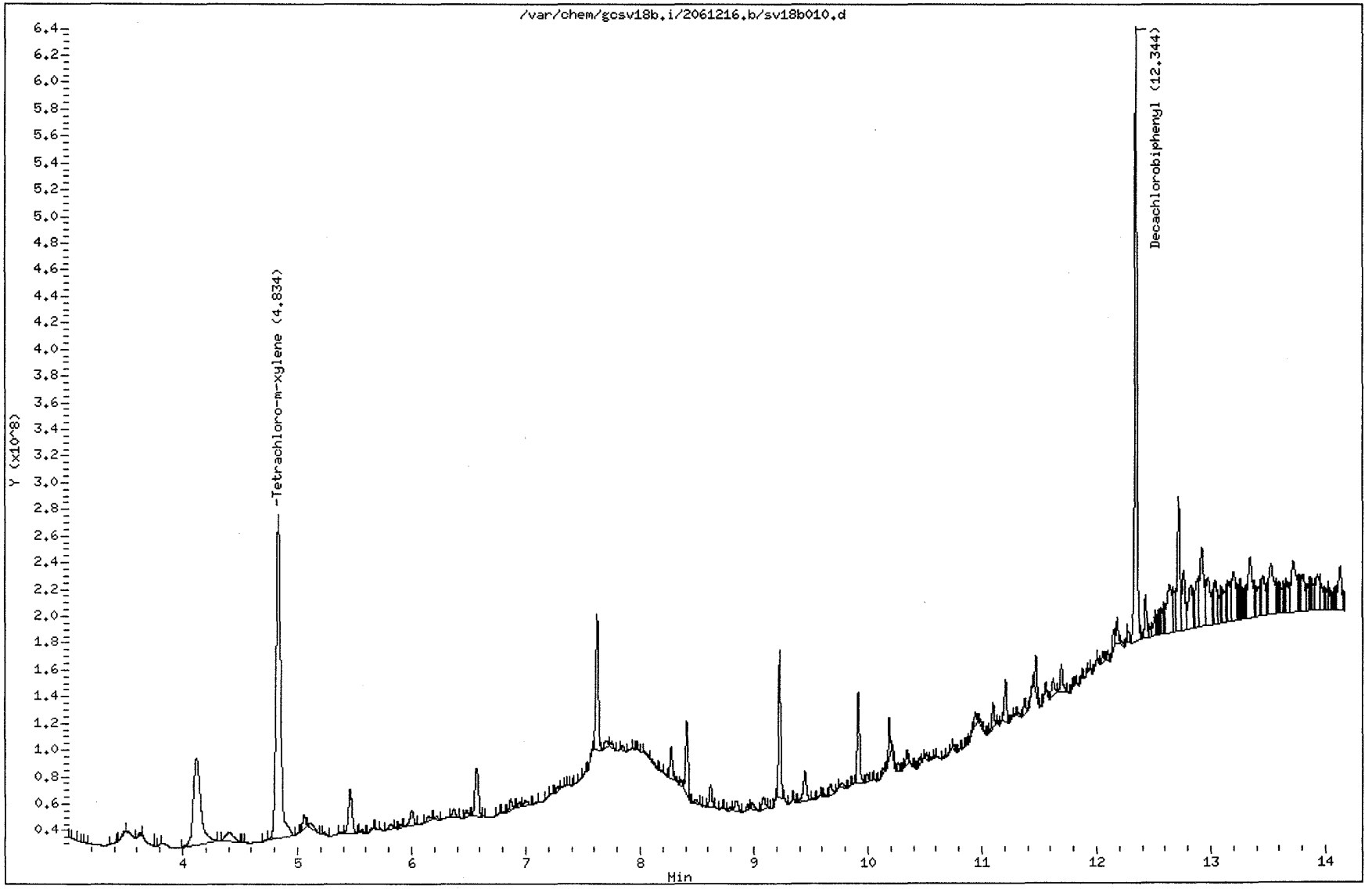
034853

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b010.d
Date : 16-DEC-2006 14:49
Client ID:
Sample Info: 20612072802*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32

000766



034854

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30.1 Units: g
Level: (low/med) LOW
% Moisture: 45.5 decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 340219 Analytical Batch: 340229

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED16-016 (0-0.5)
Contract:
SAS No.: SDG No.: 206120728
Lab Sample ID: 20612072803
Date Collected: 12/06/06 Time: 1030
Date Received: 12/07/06
Date Extracted: 12/27/06
Date Analyzed: 01/05/07 Time: 1100
Dilution Factor: 1 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8081
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A
Lab File ID: 2070104b/sv17a041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00366	U	0.000531	0.00366
72-55-9	4,4'-DDE	0.00366	U	0.000714	0.00366
50-29-3	4,4'-DDT	0.00366	U	0.000805	0.00366
309-00-2	Aldrin	0.00183	U	0.000549	0.00183
60-57-1	Dieldrin	0.00366	U	0.000549	0.00366
959-98-8	Endosulfan I	0.00183	U	0.000421	0.00183
33213-65-9	Endosulfan II	0.00366	U	0.000457	0.00366
1031-07-8	Endosulfan sulfate	0.00366	U	0.000659	0.00366
72-20-8	Endrin	0.00366	U	0.000668	0.00366
7421-93-4	Endrin aldehyde	0.00366	U	0.000686	0.00366
53494-70-5	Endrin ketone	0.00366	U	0.000586	0.00366
76-44-8	Heptachlor	0.00183	U	0.000549	0.00183
1024-57-3	Heptachlor epoxide	0.00183	U	0.000759	0.00183
72-43-5	Methoxychlor	0.018	U	0.000915	0.018
8001-35-2	Toxaphene	0.183	U	0.00857	0.183
319-84-6	alpha-BHC	0.00183	U	0.000695	0.00183
5103-71-9	alpha-Chlordane	0.00183	U	0.000576	0.00183
319-85-7	beta-BHC	0.00366	U	0.000750	0.00366
319-86-8	delta-BHC	0.00183	U	0.000677	0.00183
58-89-9	gamma-BHC (Lindane)	0.00183	U	0.000531	0.00183
5103-74-2	gamma-Chlordane	0.00183	U	0.000650	0.00183

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a041.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a041.d
Lab Smp Id: 20612072803
Inj Date : 05-JAN-2007 11:00
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072803*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

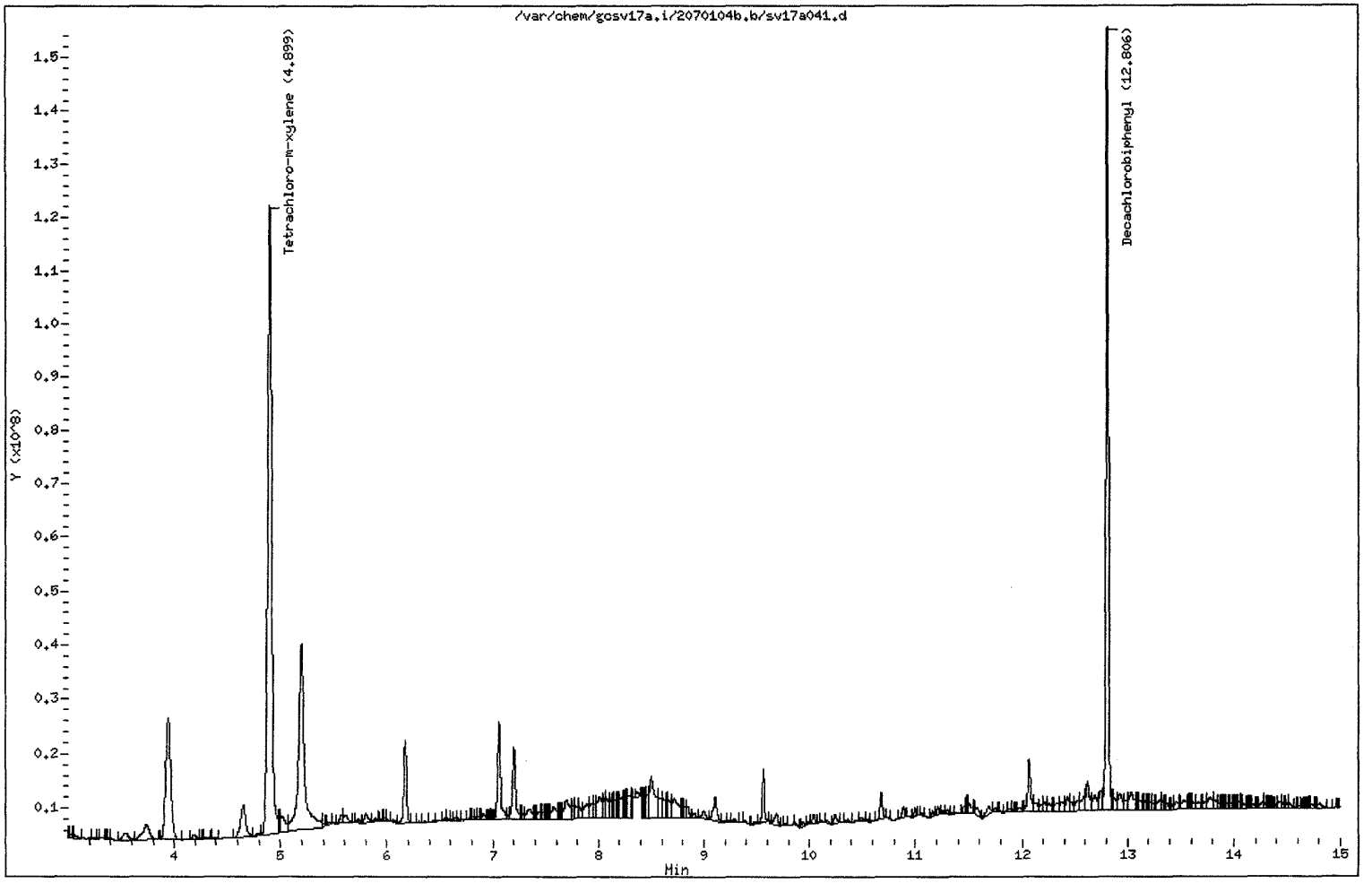
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.899	4.903	-0.004	309469189	63.3200	11
$ 22 Decachlorobiphenyl	12.806	12.824	-0.018	229171521	63.1627	10

034856

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a041.d
Date : 05-JAN-2007 11:00
Client ID:
Sample Info: 20612072803M1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b041.d
Report Date: 08-Jan-2007 08:41

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b041.d
Lab Smp Id: 20612072803
Inj Date : 05-JAN-2007 11:21
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072803*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 41
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	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	5.094	5.099	-0.005	284722253	58.3433	9.7
$ 22 Decachlorobiphenyl	12.638	12.649	-0.011	216461631	60.3468	10

000770

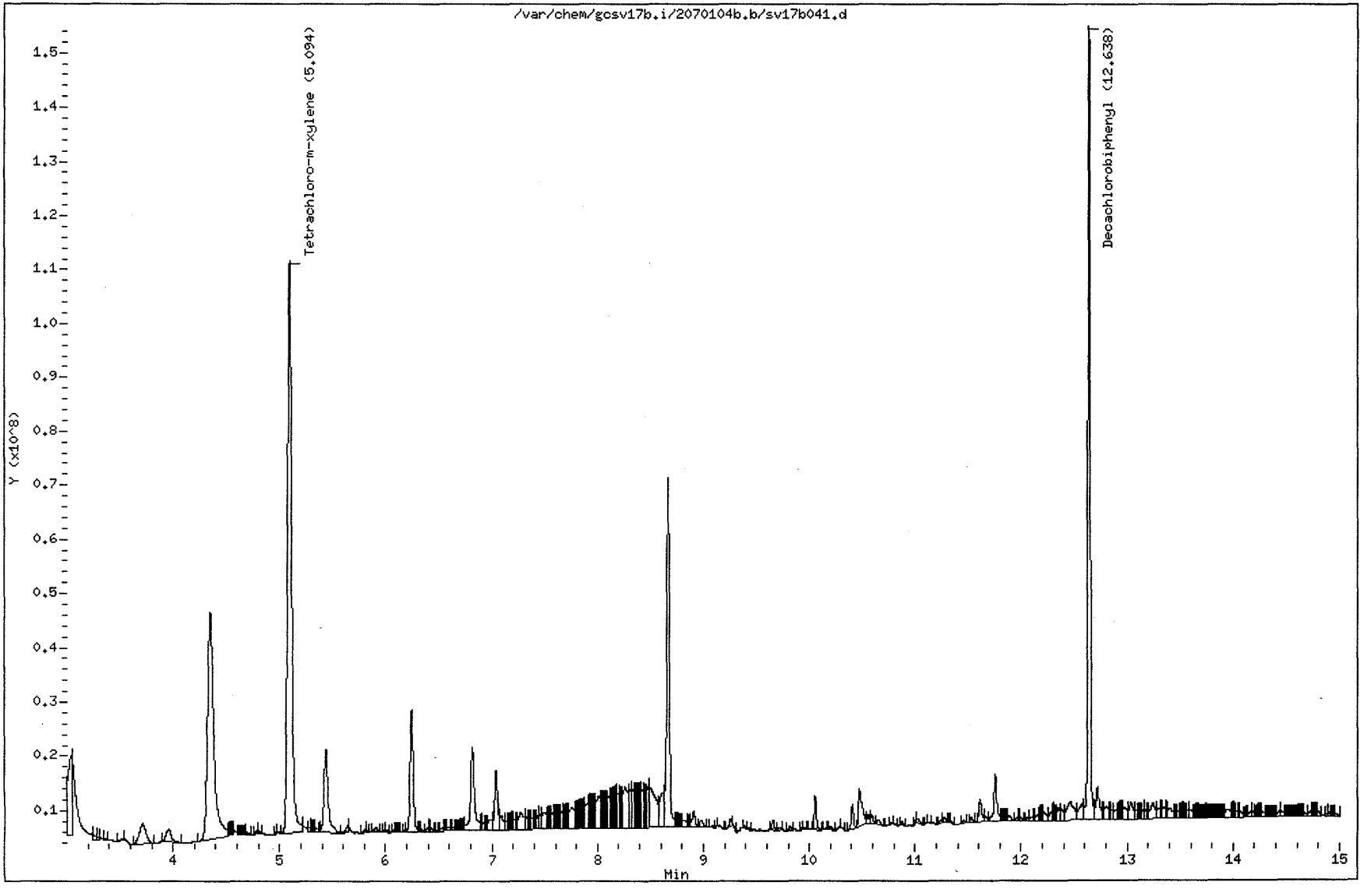
034858

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b041.d
Date : 05-JAN-2007 11:21
Client ID:
Sample Info: 20612072803*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

000771



034859

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED2-002 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20612072806

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0825

% Moisture: 58.8 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1121

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a042

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00479	U	0.000695	0.00479
72-55-9	4,4'-DDE	0.00479	U	0.000934	0.00479
50-29-3	4,4'-DDT	0.00479	U	0.00105	0.00479
309-00-2	Aldrin	0.00240	U	0.000719	0.00240
60-57-1	Dieldrin	0.00479	U	0.000719	0.00479
959-98-8	Endosulfan I	0.00240	U	0.000551	0.00240
33213-65-9	Endosulfan II	0.00479	U	0.000599	0.00479
1031-07-8	Endosulfan sulfate	0.00479	U	0.000862	0.00479
72-20-8	Endrin	0.00479	U	0.000874	0.00479
7421-93-4	Endrin aldehyde	0.00479	U	0.000898	0.00479
53494-70-5	Endrin ketone	0.00479	U	0.000767	0.00479
76-44-8	Heptachlor	0.00240	U	0.000719	0.00240
1024-57-3	Heptachlor epoxide	0.00240	U	0.000994	0.00240
72-43-5	Methoxychlor	0.024	U	0.00120	0.024
8001-35-2	Toxaphene	0.240	U	0.011	0.240
319-84-6	alpha-BHC	0.00240	U	0.000910	0.00240
5103-71-9	alpha-Chlordane	0.00240	U	0.000755	0.00240
319-85-7	beta-BHC	0.00479	U	0.000982	0.00479
319-86-8	delta-BHC	0.00240	U	0.000886	0.00240
58-89-9	gamma-BHC (Lindane)	0.00240	U	0.000695	0.00240
5103-74-2	gamma-Chlordane	0.00240	U	0.000850	0.00240

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a042.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a042.d
Lab Smp Id: 20612072806
Inj Date : 05-JAN-2007 11:21
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072806*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 42
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

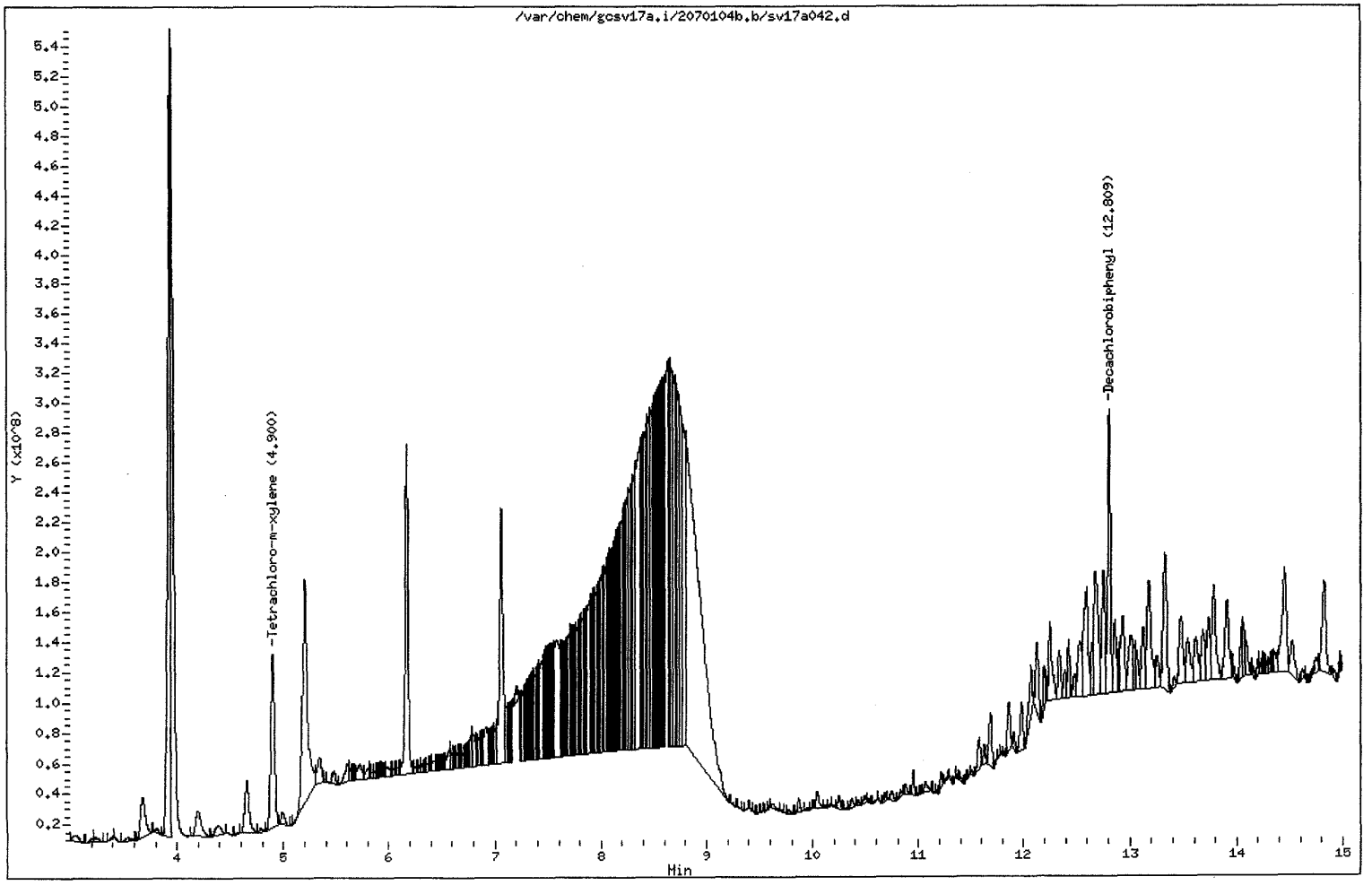
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.900	4.903	-0.003	280187007	57.3286	9.4
$ 22 Decachlorobiphenyl	12.809	12.824	-0.015	324826144	89.5264	15

000773

034861

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a042.d
Date : 05-JAN-2007 11:21
Client ID:
Instrument: gcsv17a.i
Sample Info: 20612072806*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



034862

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b042.d
Report Date: 08-Jan-2007 08:41

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b042.d
Lab Smp Id: 20612072806
Inj Date : 05-JAN-2007 11:42
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072806*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 42
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	30.40000	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	5.096	5.099	-0.003	319457844	65.4611	11
$ 22 Decachlorobiphenyl	12.641	12.649	-0.008	297609400	82.9697	14

000775

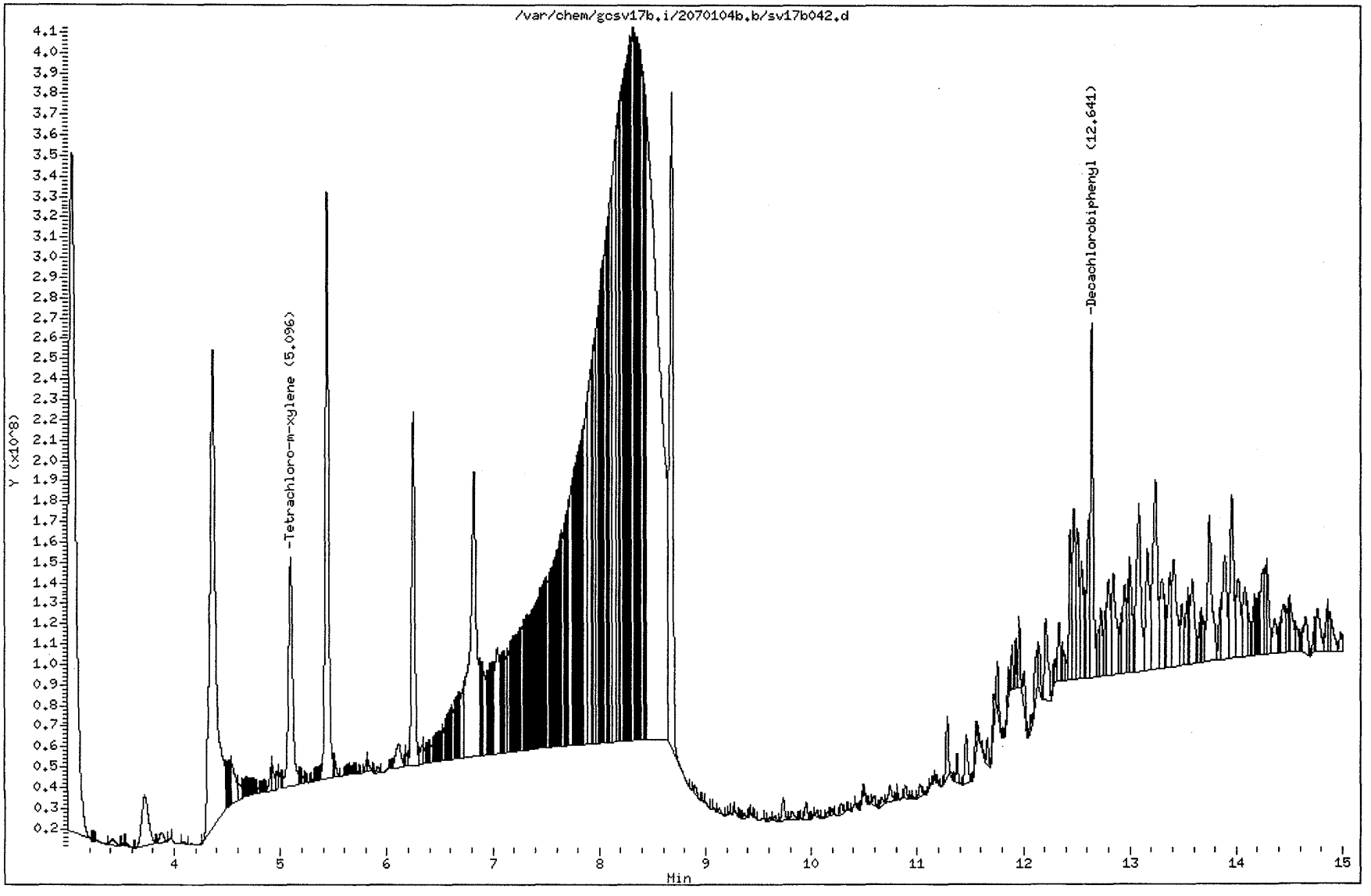
034863

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b042.d
Date : 05-JAN-2007 11:42
Client ID:
Sample Info: 20612072806*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

000776



034864

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED5-005 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20612072807

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0820

% Moisture: 40.3 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1142

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a043

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00335	U	0.000486	0.00335
72-55-9	4,4'-DDE	0.00335	U	0.000654	0.00335
50-29-3	4,4'-DDT	0.00335	U	0.000737	0.00335
309-00-2	Aldrin	0.00168	U	0.000503	0.00168
60-57-1	Dieldrin	0.00335	U	0.000503	0.00335
959-98-8	Endosulfan I	0.00168	U	0.000385	0.00168
33213-65-9	Endosulfan II	0.00335	U	0.000419	0.00335
1031-07-8	Endosulfan sulfate	0.00989		0.000603	0.00335
72-20-8	Endrin	0.00335	U	0.000612	0.00335
7421-93-4	Endrin aldehyde	0.00972		0.000628	0.00335
53494-70-5	Endrin ketone	0.00335	U	0.000536	0.00335
76-44-8	Heptachlor	0.00168	U	0.000503	0.00168
1024-57-3	Heptachlor epoxide	0.00168	U	0.000695	0.00168
72-43-5	Methoxychlor	0.00729	J	0.000838	0.017
8001-35-2	Toxaphene	0.168	U	0.00785	0.168
319-84-6	alpha-BHC	0.00168	U	0.000637	0.00168
5103-71-9	alpha-Chlordane	0.00168	U	0.000528	0.00168
319-85-7	beta-BHC	0.00335	U	0.000687	0.00335
319-86-8	delta-BHC	0.00168	U	0.000620	0.00168
58-89-9	gamma-BHC (Lindane)	0.00168	U	0.000486	0.00168
5103-74-2	gamma-Chlordane	0.00168	U	0.000595	0.00168

000777

034865

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a043.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a043.d
Lab Smp Id: 20612072807
Inj Date : 05-JAN-2007 11:42
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072807*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

						CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
Compounds		RT	EXP RT	DLT RT	RESPONSE		
$ 1	Tetrachloro-m-xylene	4.903	4.903	0.000	287620154	58.8495	9.8
18	Endrin aldehyde	10.256	10.281	-0.025	58469708	18.0736	3.0
19	Methoxychlor	11.082	11.112	-0.030	45488304	26.1011	4.4
20	Endosulfan sulfate	10.495	10.479	0.016	16400336	4.85604	0.81
$ 22	Decachlorobiphenyl	12.820	12.824	-0.004	350801819	96.6856	16(M2)

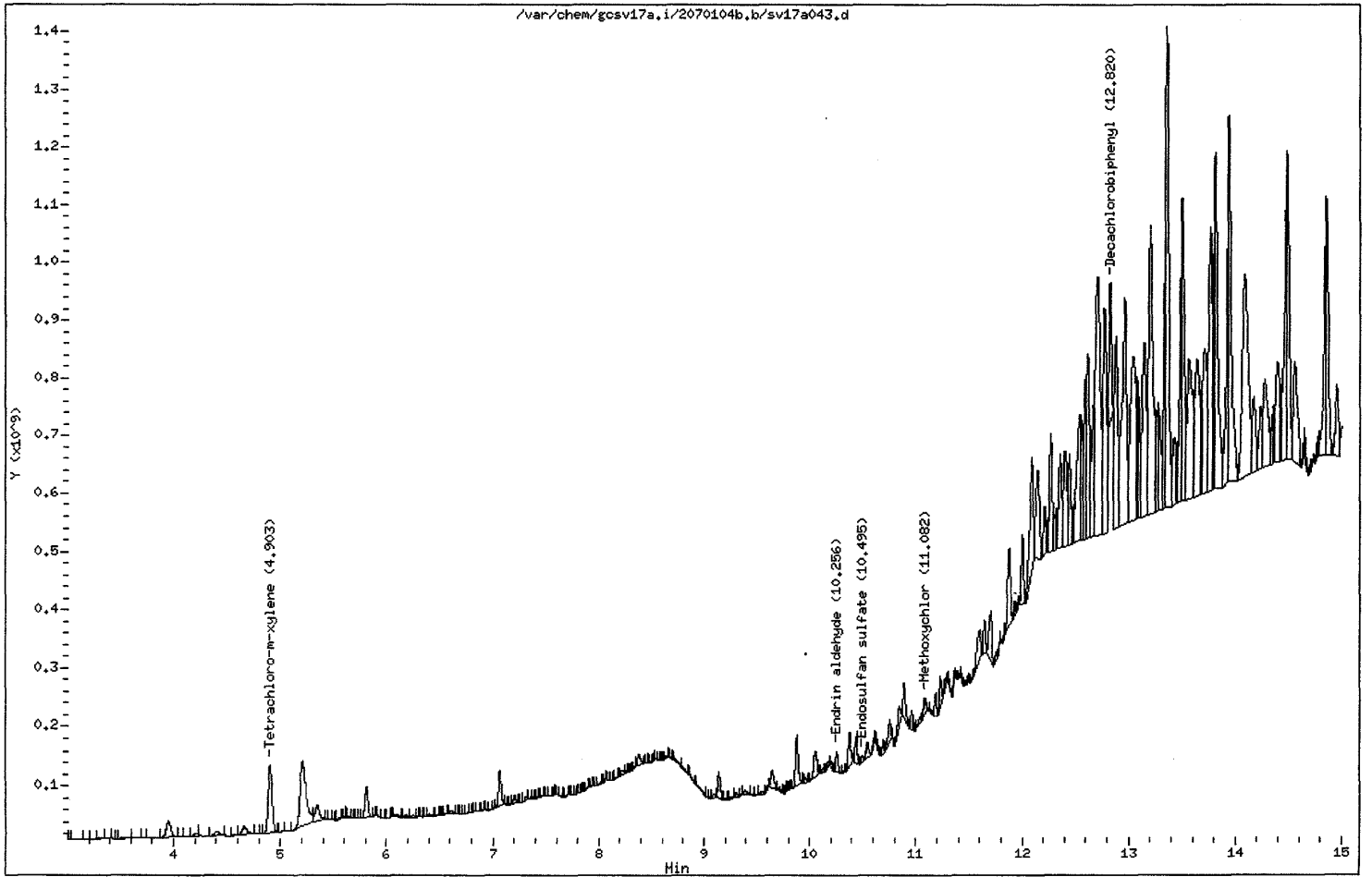
QC Flag Legend

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

034866

Data File: /var/chem/gosv17a.i/2070104b.b/sv17a043.d
Date : 05-JAN-2007 11:42
Client ID:
Sample Info: 20612072807x1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gosv17a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b043.d
Report Date: 08-Jan-2007 13:54

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b043.d
Lab Smp Id: 20612072807
Inj Date : 05-JAN-2007 12:03
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072807*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 43
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	5.097	5.099	-0.002	271488447	55.6315	9.3
18	Endrin aldehyde	9.958	9.932	0.026	111658398	35.0827	5.8(M)
20	Endosulfan sulfate	10.288	10.300	-0.012	97414252	35.2107	5.9
19	Methoxychlor	10.668	10.648	0.020	36537572	24.2000	4.0
$ 22	Decachlorobiphenyl	12.649	12.649	0.000	821152589	228.927	38(A)

QC Flag Legend

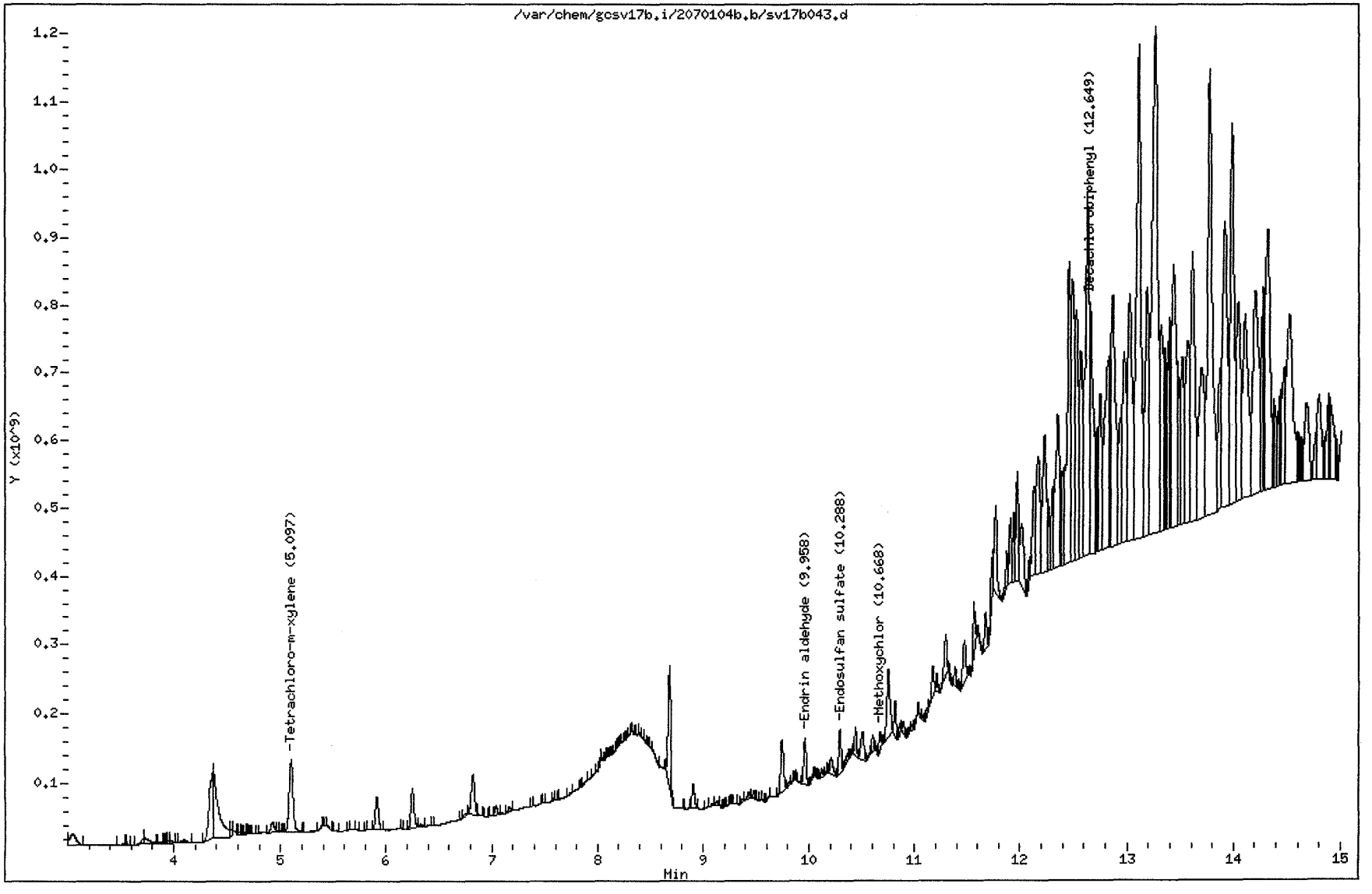
A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.

034868

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b043.d
Date : 05-JAN-2007 12:03
Client ID:
Sample Info: 20612072807*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000781



034869

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED6-006 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.3 | Units: g | Lab Sample ID: 20612072808

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0825

% Moisture: 36.2 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1203

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a044

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00310	U	0.000450	0.00310
72-55-9	4,4'-DDE	0.00310	U	0.000605	0.00310
50-29-3	4,4'-DDT	0.00310	U	0.000683	0.00310
309-00-2	Aldrin	0.00155	U	0.000466	0.00155
60-57-1	Dieldrin	0.00310	U	0.000466	0.00310
959-98-8	Endosulfan I	0.00155	U	0.000357	0.00155
33213-65-9	Endosulfan II	0.00310	U	0.000388	0.00310
1031-07-8	Endosulfan sulfate	0.00310	U	0.000559	0.00310
72-20-8	Endrin	0.00310	U	0.000566	0.00310
7421-93-4	Endrin aldehyde	0.00677		0.000582	0.00310
53494-70-5	Endrin ketone	0.00329		0.000497	0.00310
76-44-8	Heptachlor	0.00155	U	0.000466	0.00155
1024-57-3	Heptachlor epoxide	0.00155	U	0.000644	0.00155
72-43-5	Methoxychlor	0.016	U	0.000776	0.016
8001-35-2	Toxaphene	0.155	U	0.00727	0.155
319-84-6	alpha-BHC	0.00155	U	0.000590	0.00155
5103-71-9	alpha-Chlordane	0.00155	U	0.000489	0.00155
319-85-7	beta-BHC	0.00310	U	0.000636	0.00310
319-86-8	delta-BHC	0.00155	U	0.000574	0.00155
58-89-9	gamma-BHC (Lindane)	0.00155	U	0.000450	0.00155
5103-74-2	gamma-Chlordane	0.00155	U	0.000551	0.00155

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a044.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a044.d
Lab Smp Id: 20612072808
Inj Date : 05-JAN-2007 12:03
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072808*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 44
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	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

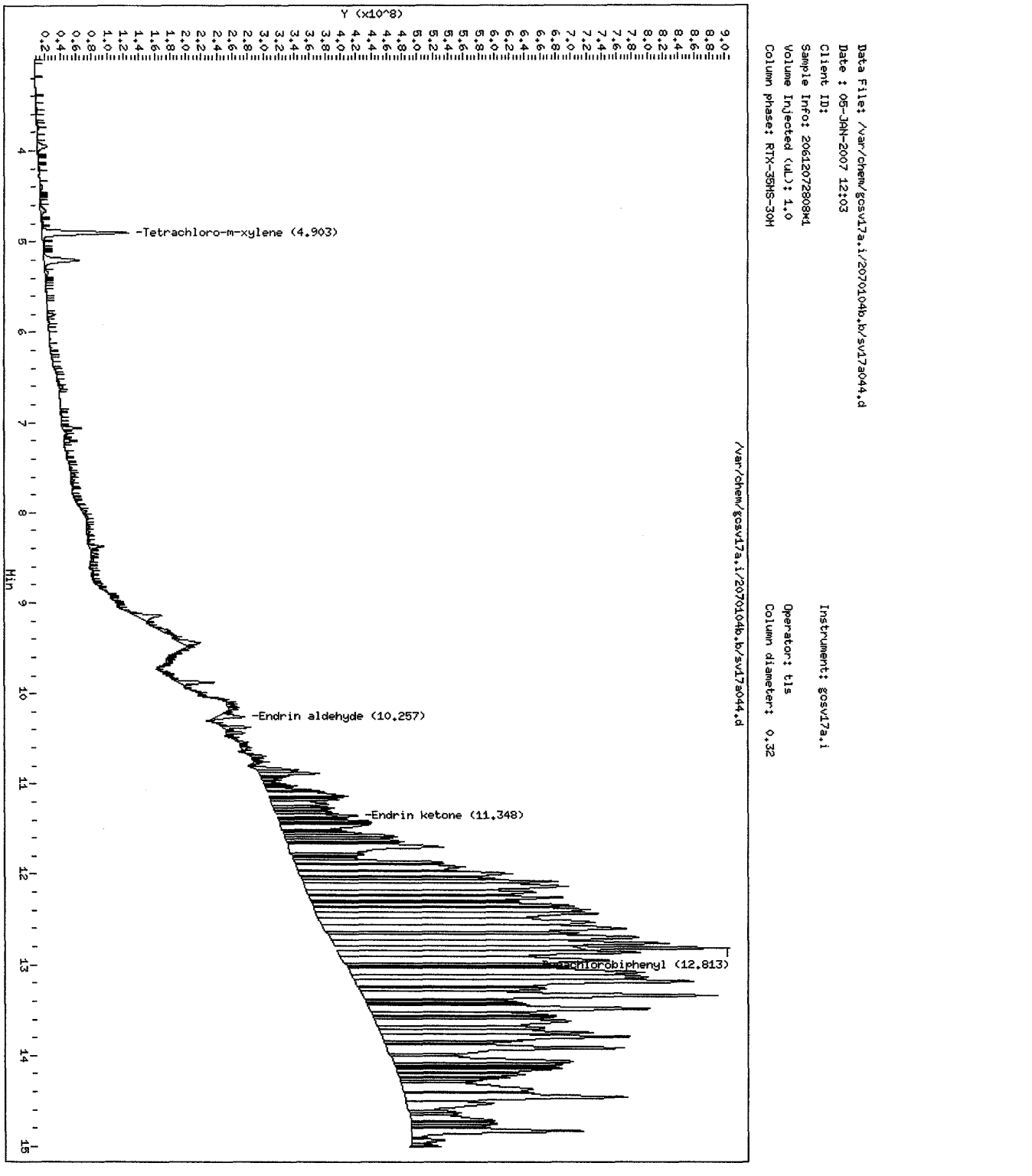
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.903	4.903	0.000	282204477	57.7414	9.5
18 Endrin aldehyde	10.257	10.281	-0.024	84687334	26.1777	4.3
21 Endrin ketone	11.348	11.360	-0.012	46277005	11.2868	1.9(M2)
$ 22 Decachlorobiphenyl	12.813	12.824	-0.011	278996052	76.8950	13(M2)

QC Flag Legend

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

034871


Data File: /var/chem/gcsv17a.i/20070104b.b/sv17a044.d
Date : 05-JAN-2007 12:03
Client ID:
Sample Info: 20612072808x1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32
/var/chem/gcsv17a.i/20070104b.b/sv17a044.d
Y (x10^8)
Min
-Tetrachloro-m-xylene (4.903)
-Endrin aldehyde (10.257)
-Endrin ketone (11.348)
Decachlorobiphenyl (12.813)

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b044.d
Report Date: 08-Jan-2007 08:41

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b044.d
Lab Smp Id: 20612072808
Inj Date : 05-JAN-2007 12:24
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072808*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 44
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	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	5.097	5.099	-0.002	227709762	46.6607	7.7
18 Endrin aldehyde	9.953	9.932	0.021	83066486	26.0992	4.3
21 Endrin ketone	10.805	10.812	-0.007	48889497	12.9921	2.1(M2)
$ 22 Decachlorobiphenyl	12.644	12.649	-0.005	973890629	271.508	45(A)

QC Flag Legend

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

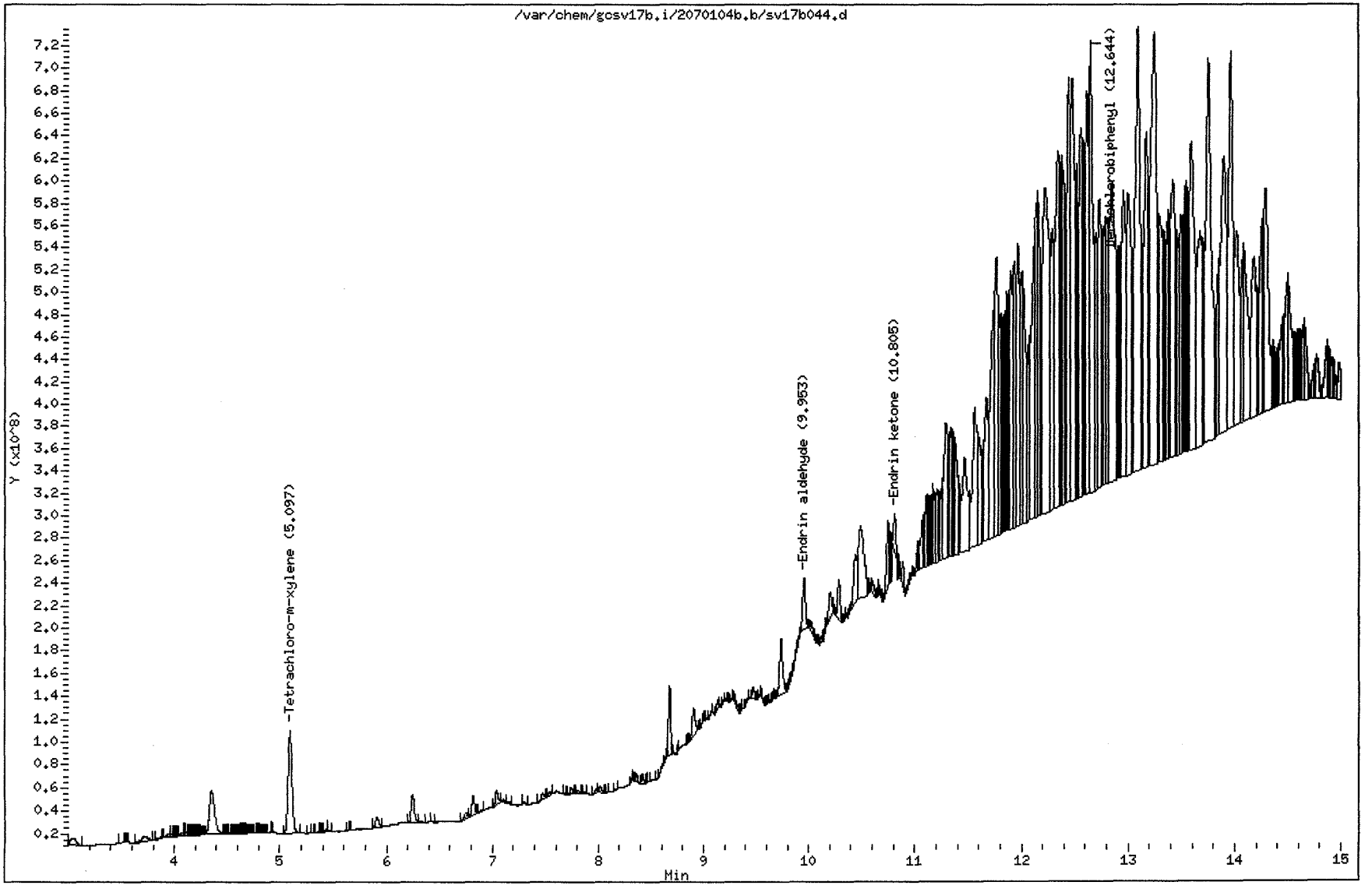
034873

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b044.d
Date : 05-JAN-2007 12:24
Client ID:
Sample Info: 20612072808*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

000786



034874

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9-009 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072809

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1020

% Moisture: 17.5 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/18/06 | Time: 1010

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a028

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00242	U	0.000351	0.00242
72-55-9	4,4'-DDE	0.00242	U	0.000471	0.00242
50-29-3	4,4'-DDT	0.00206	J	0.000532	0.00242
309-00-2	Aldrin	0.00121	U	0.000363	0.00121
60-57-1	Dieldrin	0.00242	U	0.000363	0.00242
959-98-8	Endosulfan I	0.00121	U	0.000278	0.00121
33213-65-9	Endosulfan II	0.00242	U	0.000302	0.00242
1031-07-8	Endosulfan sulfate	0.00242	U	0.000435	0.00242
72-20-8	Endrin	0.00242	U	0.000441	0.00242
7421-93-4	Endrin aldehyde	0.00152	J	0.000453	0.00242
53494-70-5	Endrin ketone	0.00242	U	0.000387	0.00242
76-44-8	Heptachlor	0.00182		0.000363	0.00121
1024-57-3	Heptachlor epoxide	0.00121	U	0.000502	0.00121
72-43-5	Methoxychlor	0.012	U	0.000604	0.012
8001-35-2	Toxaphene	0.121	U	0.00566	0.121
319-84-6	alpha-BHC	0.00121	U	0.000459	0.00121
5103-71-9	alpha-Chlordane	0.00121	U	0.000381	0.00121
319-85-7	beta-BHC	0.00242	U	0.000496	0.00242
319-86-8	delta-BHC	0.00121	U	0.000447	0.00121
58-89-9	gamma-BHC (Lindane)	0.00121	U	0.000351	0.00121
5103-74-2	gamma-Chlordane	0.00121	U	0.000429	0.00121

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a028.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a028.d
Lab Smp Id: 20612072809
Inj Date : 18-DEC-2006 10:10
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072809*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.119	4.116	0.003	613671643	114.306	19(A)
4	Heptachlor	6.408	6.429	-0.021	30688472	5.50085	0.91
17	4,4'-DDT	9.455	9.441	0.014	32009463	8.14890	1.4
18	Endrin aldehyde	9.519	9.530	-0.011	26437790	7.50133	1.2
$ 22	Decachlorobiphenyl	12.074	12.078	-0.004	612078771	150.578	25(M2)

QC Flag Legend

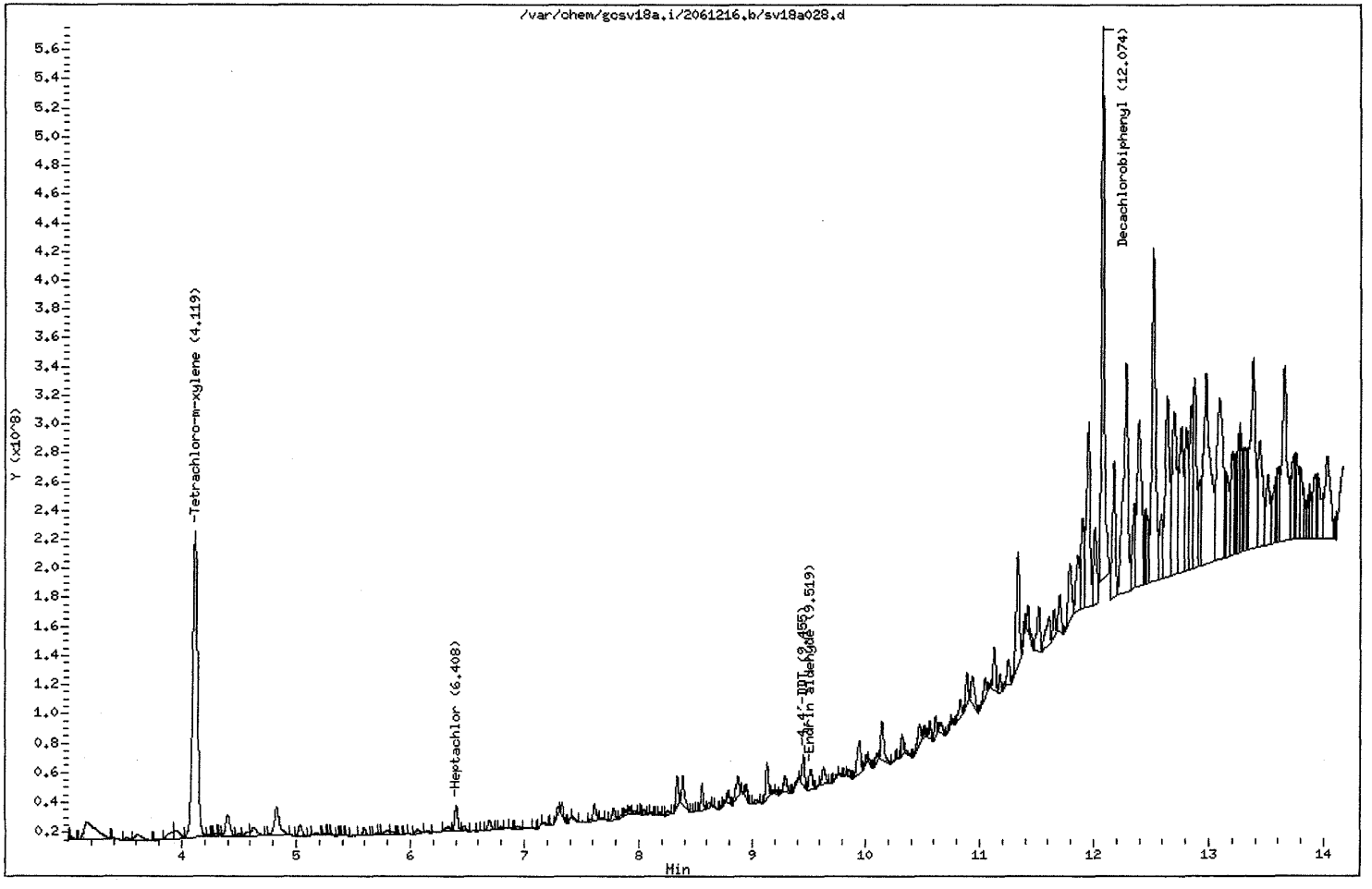
A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.

034876

000789

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a028.d
Date : 18-DEC-2006 10:10
Client ID:
Sample Info: 20612072809x1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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



034877

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b028.d
Report Date: 11-Jan-2007 15:43

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b028.d
Lab Smp Id: 20612072809
Inj Date : 18-DEC-2006 10:28
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20612072809*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 14:46 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 28
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	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

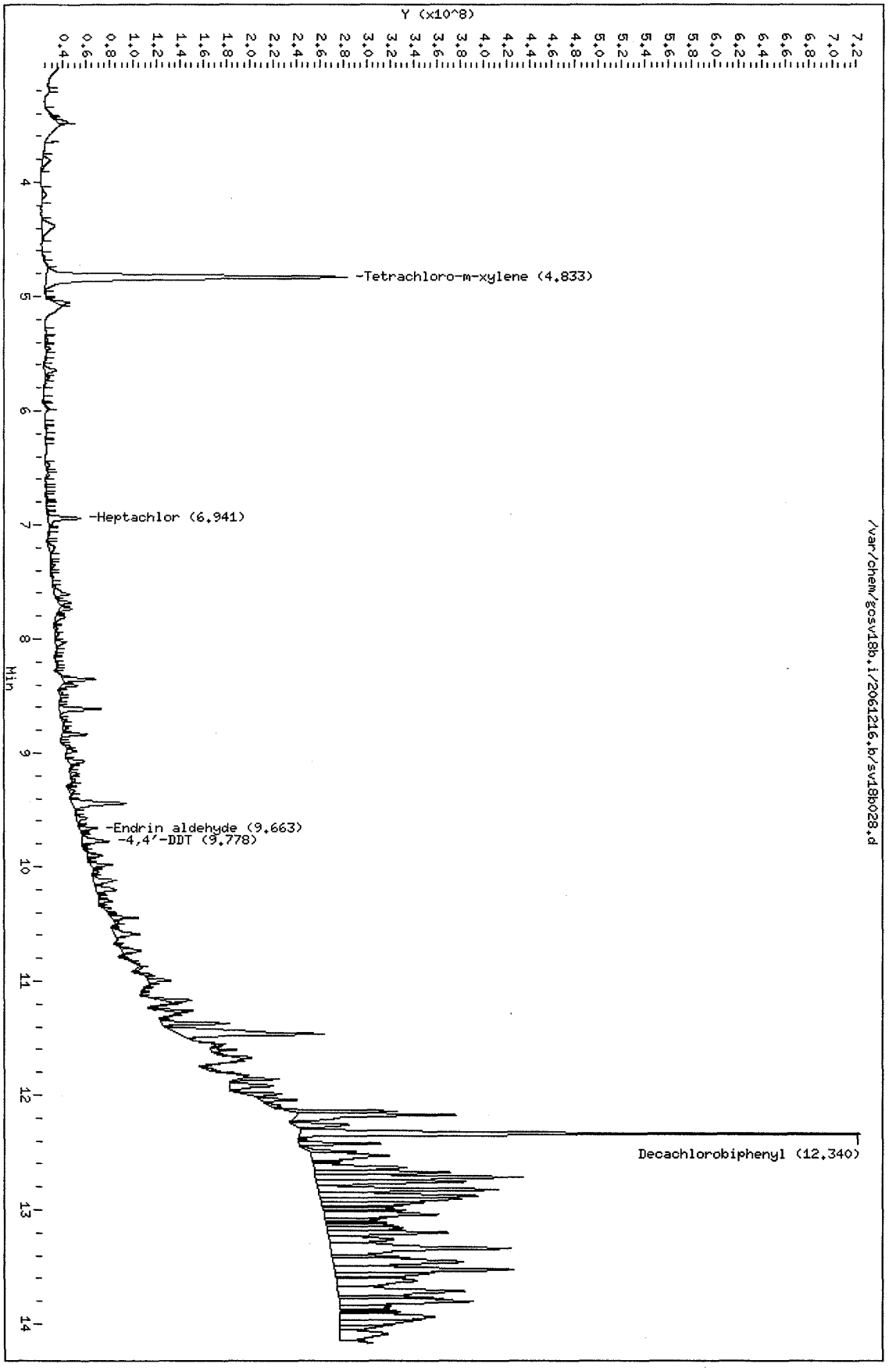
Cpnd Variable Local Compound Variable

						CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
Compounds		RT	EXP RT	DLT RT	RESPONSE		
$	1 Tetrachloro-m-xylene	4.833	4.825	0.008	700056158	106.503	18(A)
	4 Heptachlor	6.941	6.911	0.030	60218846	8.92914	1.5
	18 Endrin aldehyde	9.663	9.640	0.023	22318963	4.83064	0.80
	17 4,4'-DDT	9.778	9.761	0.017	50219444	10.2289	1.7
$	22 Decachlorobiphenyl	12.340	12.337	0.003	750193387	140.907	23

QC Flag Legend

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

034878



000791

034879

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED10-010 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20612072810

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0930

% Moisture: 26.8 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/18/06 | Time: 1028

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a029

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00270	U	0.000391	0.00270
72-55-9	4,4'-DDE	0.00270	U	0.000526	0.00270
50-29-3	4,4'-DDT	0.00150	J	0.000593	0.00270
309-00-2	Aldrin	0.00135	U	0.000404	0.00135
60-57-1	Dieldrin	0.00270	U	0.000404	0.00270
959-98-8	Endosulfan I	0.00135	U	0.000310	0.00135
33213-65-9	Endosulfan II	0.00270	U	0.000337	0.00270
1031-07-8	Endosulfan sulfate	0.00270	U	0.000485	0.00270
72-20-8	Endrin	0.00270	U	0.000492	0.00270
7421-93-4	Endrin aldehyde	0.00270	U	0.000506	0.00270
53494-70-5	Endrin ketone	0.00270	U	0.000431	0.00270
76-44-8	Heptachlor	0.00135	U	0.000404	0.00135
1024-57-3	Heptachlor epoxide	0.00135	U	0.000560	0.00135
72-43-5	Methoxychlor	0.013	U	0.000674	0.013
8001-35-2	Toxaphene	0.135	U	0.00632	0.135
319-84-6	alpha-BHC	0.00135	U	0.000512	0.00135
5103-71-9	alpha-Chlordane	0.00135	U	0.000425	0.00135
319-85-7	beta-BHC	0.00270	U	0.000553	0.00270
319-86-8	delta-BHC	0.00135	U	0.000499	0.00135
58-89-9	gamma-BHC (Lindane)	0.00135	U	0.000391	0.00135
5103-74-2	gamma-Chlordane	0.00135	U	0.000479	0.00135

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a029.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a029.d
Lab Smp Id: 20612072810
Inj Date : 18-DEC-2006 10:28
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072810*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.118	4.116	0.002	716621898	133.482	22(A)
17 4,4'-DDT	9.455	9.441	0.014	24717468	6.29252	1.0
$ 22 Decachlorobiphenyl	12.070	12.078	-0.008	591219955	145.447	24(M2)

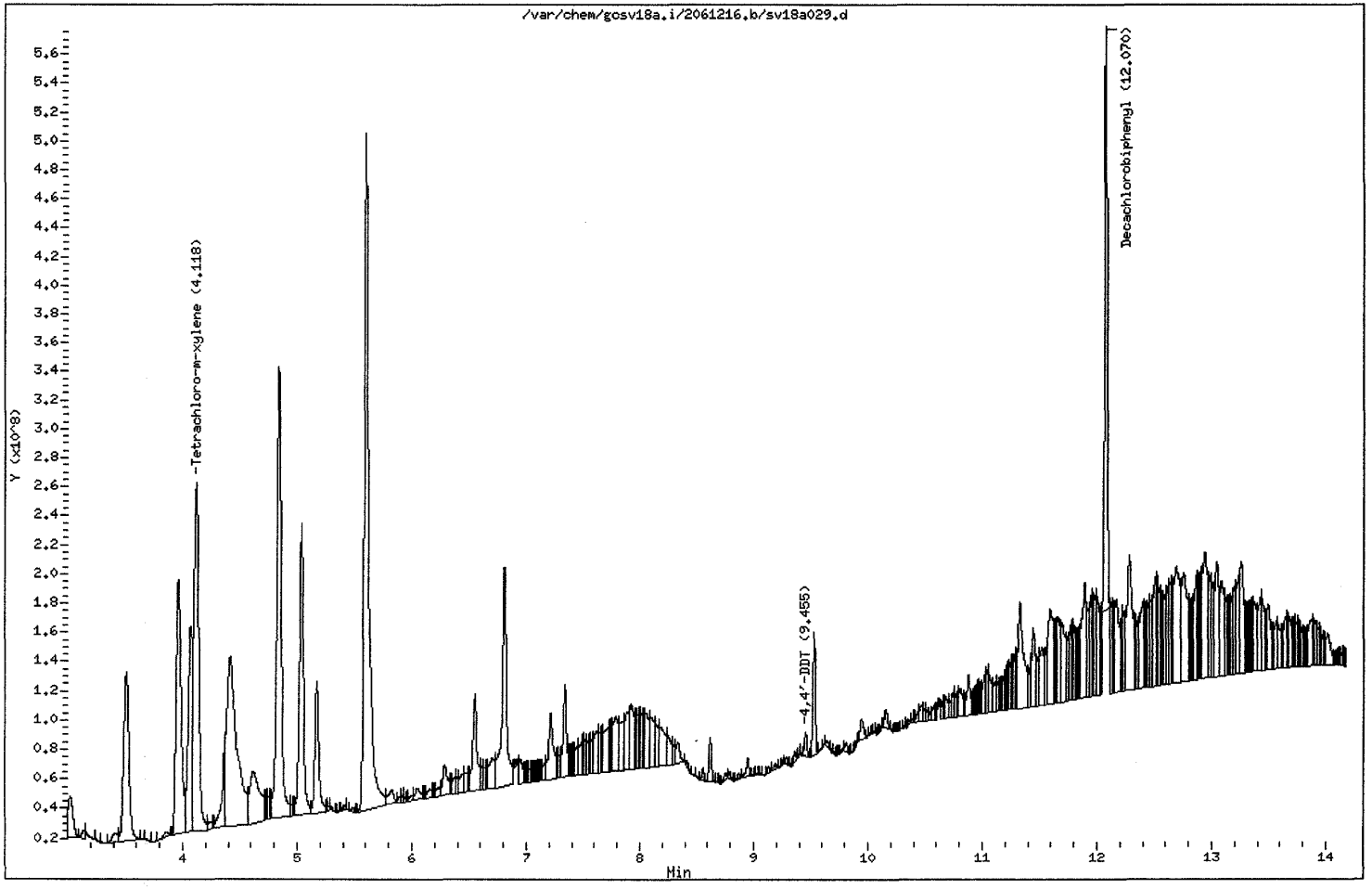
QC Flag Legend

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

000793

034881

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a029.d
Date : 18-DEC-2006 10:28
Client ID:
Instrument: gcsv18a.i
Sample Info: 20612072810x1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



Data File: /var/chem/gcsv18b.i/2061216.b/sv18b029.d
Report Date: 11-Jan-2007 15:45

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b029.d
Lab Smp Id: 20612072810
Inj Date : 18-DEC-2006 10:47
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20612072810*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 14:46 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 29
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	30.40000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.835	4.825	0.010	698368899	106.246	17(A)
17 4,4'-DDT	9.783	9.761	0.022	33708122	6.86578	1.1
$ 22 Decachlorobiphenyl	12.340	12.337	0.003	997388000	187.337	31

QC Flag Legend

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

000795

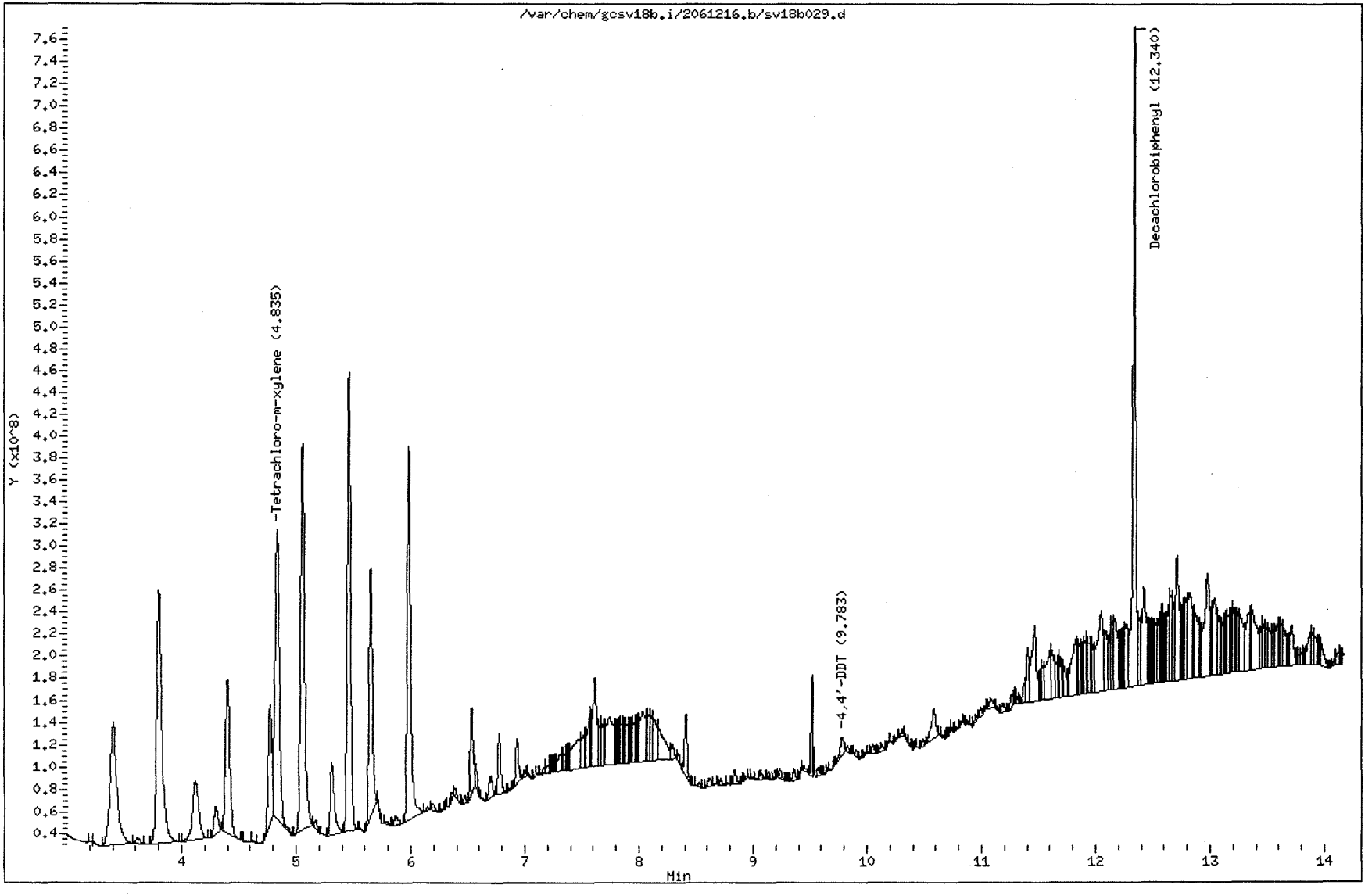
034883

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b029.d
Date : 18-DEC-2006 10:47
Client ID:
Sample Info: 20612072810x1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32

000796



034884

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED11-011 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20612072811

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0935

% Moisture: 26.2 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/18/06 | Time: 1047

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a030

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00271	U	0.000393	0.00271
72-55-9	4,4'-DDE	0.00271	U	0.000529	0.00271
50-29-3	4,4'-DDT	0.000929	J	0.000596	0.00271
309-00-2	Aldrin	0.00136	U	0.000407	0.00136
60-57-1	Dieldrin	0.00271	U	0.000407	0.00271
959-98-8	Endosulfan I	0.00136	U	0.000312	0.00136
33213-65-9	Endosulfan II	0.00271	U	0.000339	0.00271
1031-07-8	Endosulfan sulfate	0.00271	U	0.000488	0.00271
72-20-8	Endrin	0.00271	U	0.000495	0.00271
7421-93-4	Endrin aldehyde	0.00271	U	0.000508	0.00271
53494-70-5	Endrin ketone	0.00271	U	0.000434	0.00271
76-44-8	Heptachlor	0.00136	U	0.000407	0.00136
1024-57-3	Heptachlor epoxide	0.00136	U	0.000563	0.00136
72-43-5	Methoxychlor	0.014	U	0.000678	0.014
8001-35-2	Toxaphene	0.136	U	0.00635	0.136
319-84-6	alpha-BHC	0.00136	U	0.000515	0.00136
5103-71-9	alpha-Chlordane	0.00136	U	0.000427	0.00136
319-85-7	beta-BHC	0.00271	U	0.000556	0.00271
319-86-8	delta-BHC	0.00136	U	0.000502	0.00136
58-89-9	gamma-BHC (Lindane)	0.00136	U	0.000393	0.00136
5103-74-2	gamma-Chlordane	0.00136	U	0.000481	0.00136

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a030.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a030.d
Lab Smp Id: 20612072811
Inj Date : 18-DEC-2006 10:47
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072811*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 30
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	4.113	4.116	-0.003	652030361	121.451	20(A)
17 4,4'-DDT	9.453	9.441	0.012	16140614	4.10904	0.68
$ 22 Decachlorobiphenyl	12.069	12.078	-0.009	555760988	136.724	23(M2)

QC Flag Legend

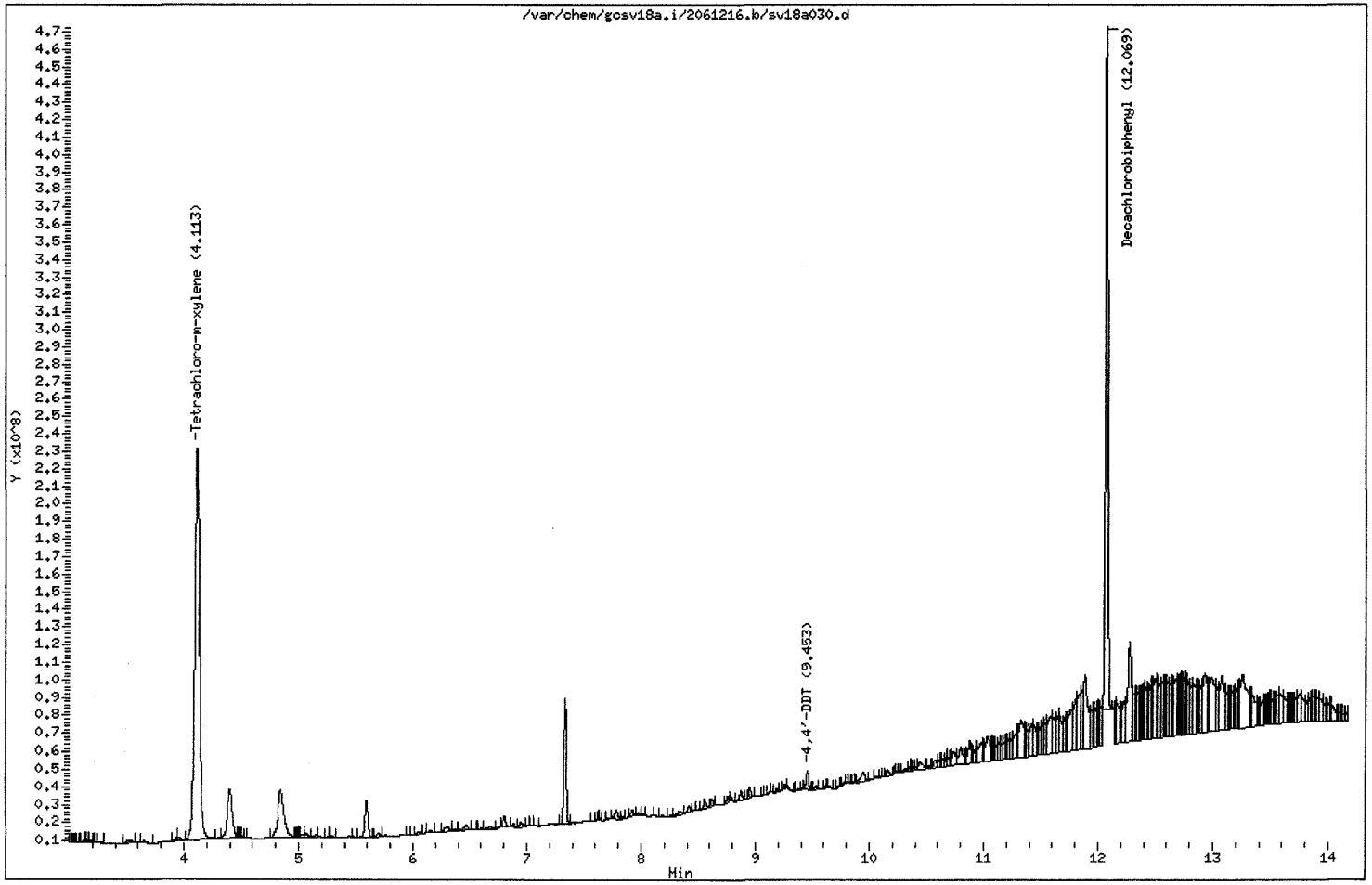
A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.

000798

034886

000799

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a030.d
Date : 18-DEC-2006 10:47
Client ID:
Instrument: gcsv18a.i
Sample Info: 20612072811*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



034887

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b030.d
Report Date: 11-Jan-2007 15:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b030.d
Lab Smp Id: 20612072811
Inj Date : 18-DEC-2006 11:06
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20612072811*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 14:46 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.830	4.825	0.005	744559238	113.273	19(A)
17 4,4'-DDT	9.779	9.761	0.018	17442143	3.55267	0.59(H)
$ 22 Decachlorobiphenyl	12.338	12.337	0.001	770176901	144.660	24

QC Flag Legend

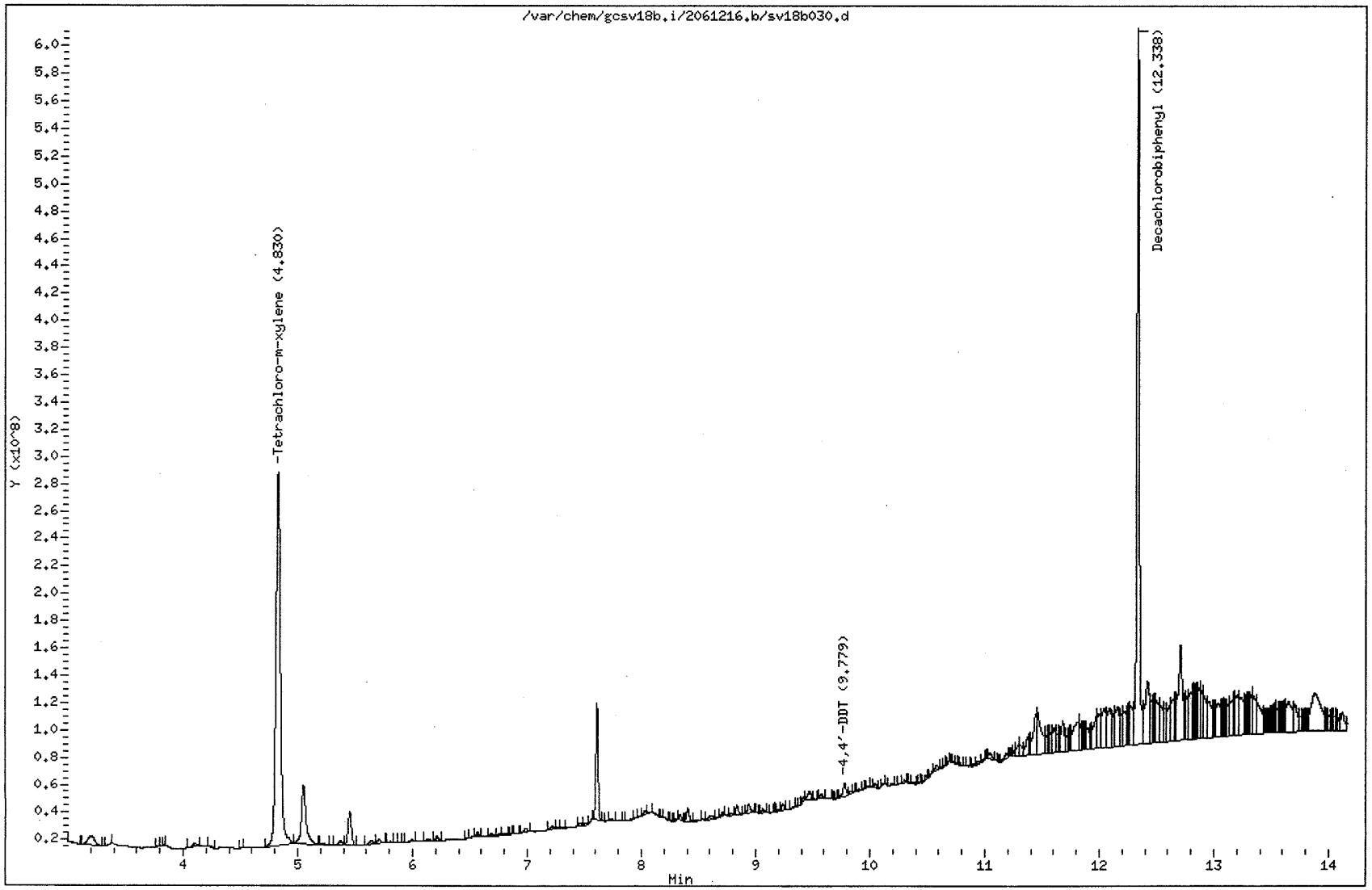
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

034888

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b030.d
Date : 18-DEC-2006 11:06
Client ID:
Sample Info: 2061207281*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

000301



034889

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 2WSED12-012 (0-0.5)

Lab Code: LA024 Case No.:
Contract:

Matrix: Soil
SAS No.: SDG No.: 206120728

Sample wt/vol: 30.5 Units: g
Lab Sample ID: 20612072812

Level: (low/med) LOW
Date Collected: 12/06/06 Time: 0940

% Moisture: 16.9 decanted: (Y/N)
Date Received: 12/07/06

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 12/18/06 Time: 1106

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

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

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

Prep Batch: 338462 Analytical Batch: 339131
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg*
Lab File ID: 2061216/sv18a031

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00237	U	0.000343	0.00237
72-55-9	4,4'-DDE	0.00237	U	0.000462	0.00237
50-29-3	4,4'-DDT	0.00212	J	0.000521	0.00237
309-00-2	Aldrin	0.00118	U	0.000355	0.00118
60-57-1	Dieldrin	0.00237	U	0.000355	0.00237
959-98-8	Endosulfan I	0.00118	U	0.000272	0.00118
33213-65-9	Endosulfan II	0.00237	U	0.000296	0.00237
1031-07-8	Endosulfan sulfate	0.00237	U	0.000426	0.00237
72-20-8	Endrin	0.00237	U	0.000432	0.00237
7421-93-4	Endrin aldehyde	0.00237	U	0.000444	0.00237
53494-70-5	Endrin ketone	0.00237	U	0.000379	0.00237
76-44-8	Heptachlor	0.00118	U	0.000355	0.00118
1024-57-3	Heptachlor epoxide	0.00118	U	0.000491	0.00118
72-43-5	Methoxychlor	0.012	U	0.000592	0.012
8001-35-2	Toxaphene	0.118	U	0.00555	0.118
319-84-6	alpha-BHC	0.00118	U	0.000450	0.00118
5103-71-9	alpha-Chlordane	0.00118	U	0.000373	0.00118
319-85-7	beta-BHC	0.00237	U	0.000485	0.00237
319-86-8	delta-BHC	0.00118	U	0.000438	0.00118
58-89-9	gamma-BHC (Lindane)	0.00118	U	0.000343	0.00118
5103-74-2	gamma-Chlordane	0.00118	U	0.000420	0.00118

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a031.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a031.d
Lab Smp Id: 20612072812
Inj Date : 18-DEC-2006 11:06
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072812*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 31
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	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.115	4.116	-0.001	616600299	114.852	19(A)
17 4,4'-DDT	9.454	9.441	0.013	42166193	10.7346	1.8
$ 22 Decachlorobiphenyl	12.069	12.078	-0.009	539959777	132.836	22

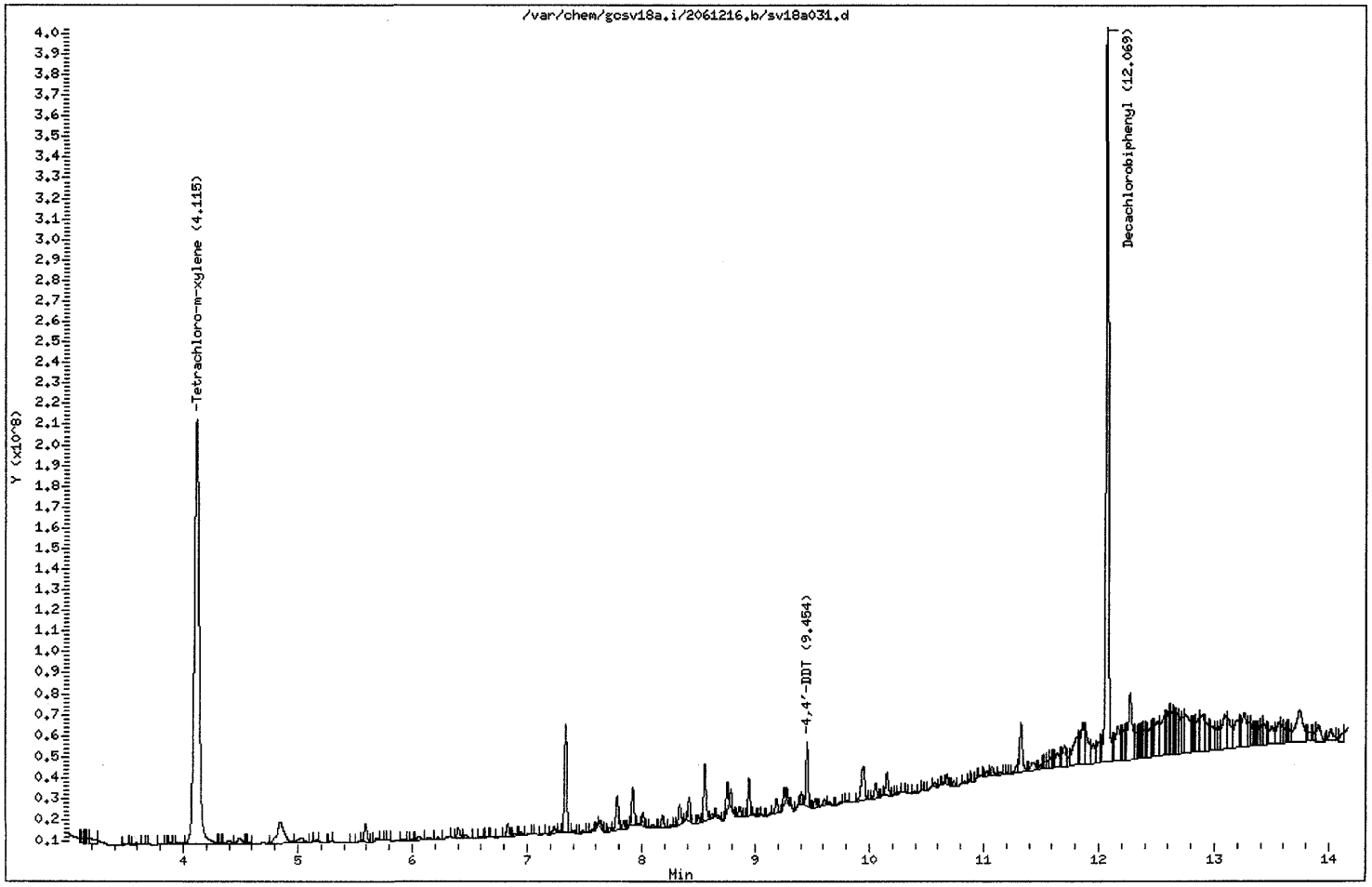
QC Flag Legend

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

034891

000804

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a031.d
Date : 18-DEC-2006 11:06
Client ID:
Instrument: gcsv18a.i
Sample Info: 20612072812*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



034892

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b031.d
Report Date: 11-Jan-2007 16:02

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b031.d
Lab Smp Id: 20612072812
Inj Date : 18-DEC-2006 11:24
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20612072812*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 14:46 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 31
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	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.833	4.825	0.008	707264688	107.600	18(A)
17 4,4'-DDT	9.779	9.761	0.018	50449632	10.2757	1.7
$ 22 Decachlorobiphenyl	12.337	12.337	0.000	626037088	117.587	19

QC Flag Legend

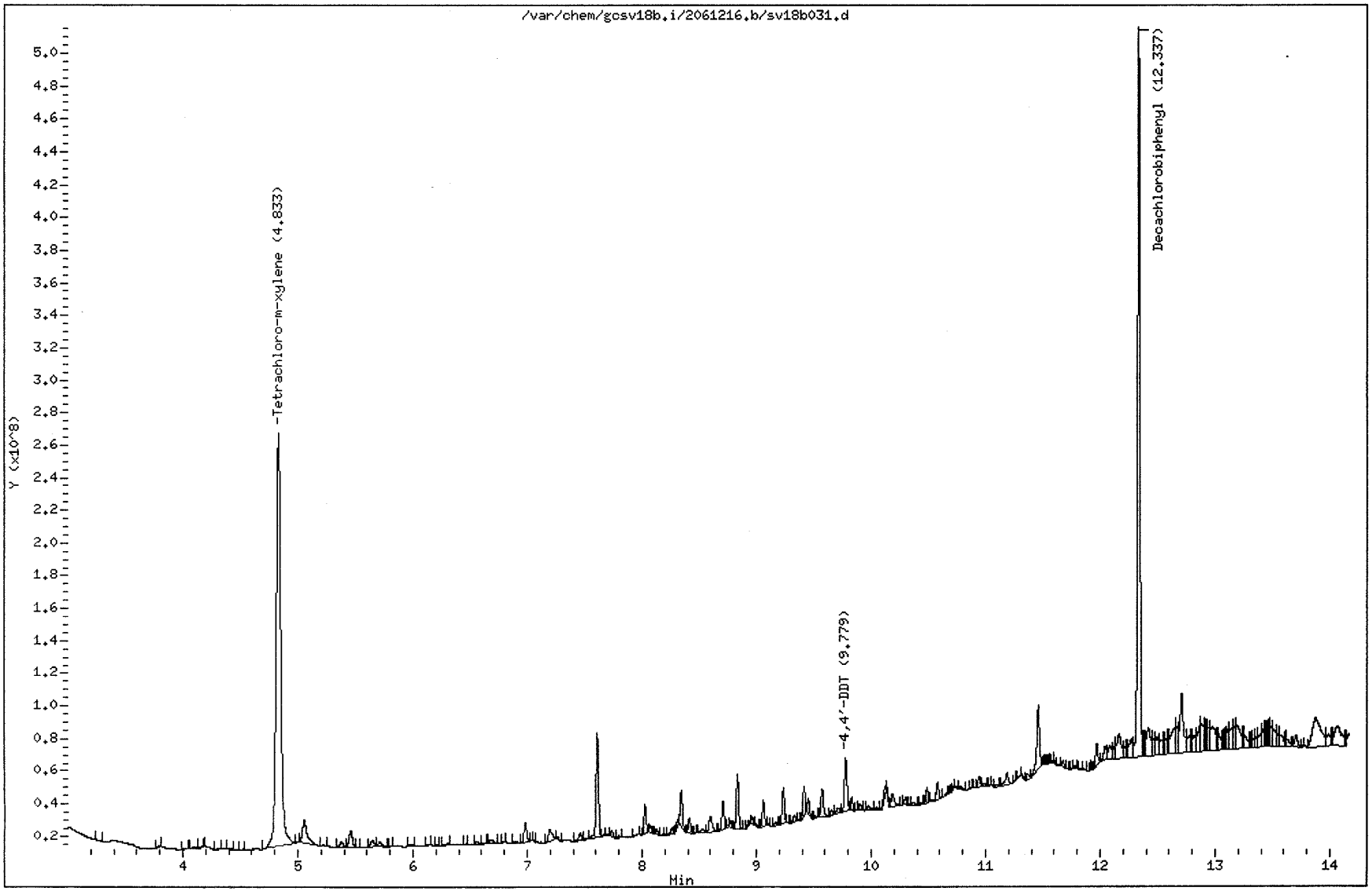
A - Target compound detected but, quantitated amount exceeded maximum amount.

034893

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b031.d
Date : 18-DEC-2006 11:24
Client ID:
Sample Info: 20612072812*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

000806



034894

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED3-003 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072813

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1100

% Moisture: 59.0 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1224

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a045

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00486	U	0.000704	0.00486
72-55-9	4,4'-DDE	0.00486	U	0.000947	0.00486
50-29-3	4,4'-DDT	0.00486	U	0.00107	0.00486
309-00-2	Aldrin	0.00243	U	0.000729	0.00243
60-57-1	Dieldrin	0.00486	U	0.000729	0.00486
959-98-8	Endosulfan I	0.00243	U	0.000559	0.00243
33213-65-9	Endosulfan II	0.00486	U	0.000607	0.00486
1031-07-8	Endosulfan sulfate	0.00731		0.000875	0.00486
72-20-8	Endrin	0.00486	U	0.000887	0.00486
7421-93-4	Endrin aldehyde	0.010		0.000911	0.00486
53494-70-5	Endrin ketone	0.00619		0.000777	0.00486
76-44-8	Heptachlor	0.00243	U	0.000729	0.00243
1024-57-3	Heptachlor epoxide	0.00243	U	0.00101	0.00243
72-43-5	Methoxychlor	0.024	U	0.00121	0.024
8001-35-2	Toxaphene	0.243	U	0.011	0.243
319-84-6	alpha-BHC	0.00243	U	0.000923	0.00243
5103-71-9	alpha-Chlordane	0.00243	U	0.000765	0.00243
319-85-7	beta-BHC	0.00486	U	0.000996	0.00486
319-86-8	delta-BHC	0.00243	U	0.000899	0.00243
58-89-9	gamma-BHC (Lindane)	0.00243	U	0.000704	0.00243
5103-74-2	gamma-Chlordane	0.00243	U	0.000862	0.00243

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a045.d
Report Date: 12-Jan-2007 10:44

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a045.d
Lab Smp Id: 20612072813
Inj Date : 05-JAN-2007 12:24
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072813*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 45
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.903	4.903	0.000	266121708	54.4507	9.0
18 Endrin aldehyde	10.258	10.281	-0.023	45026889	13.9182	2.3
20 Endosulfan sulfate	10.500	10.479	0.021	20814863	6.16316	1.0(H)
21 Endrin ketone	11.372	11.360	0.012	62595601	15.2668	2.5
$ 22 Decachlorobiphenyl	12.818	12.824	-0.006	477805374	131.689	22(M2)

QC Flag Legend

M2- Compound response manually integrated because
Target system integrated incorrectly.
H - Operator selected an alternate compound hit.

000808

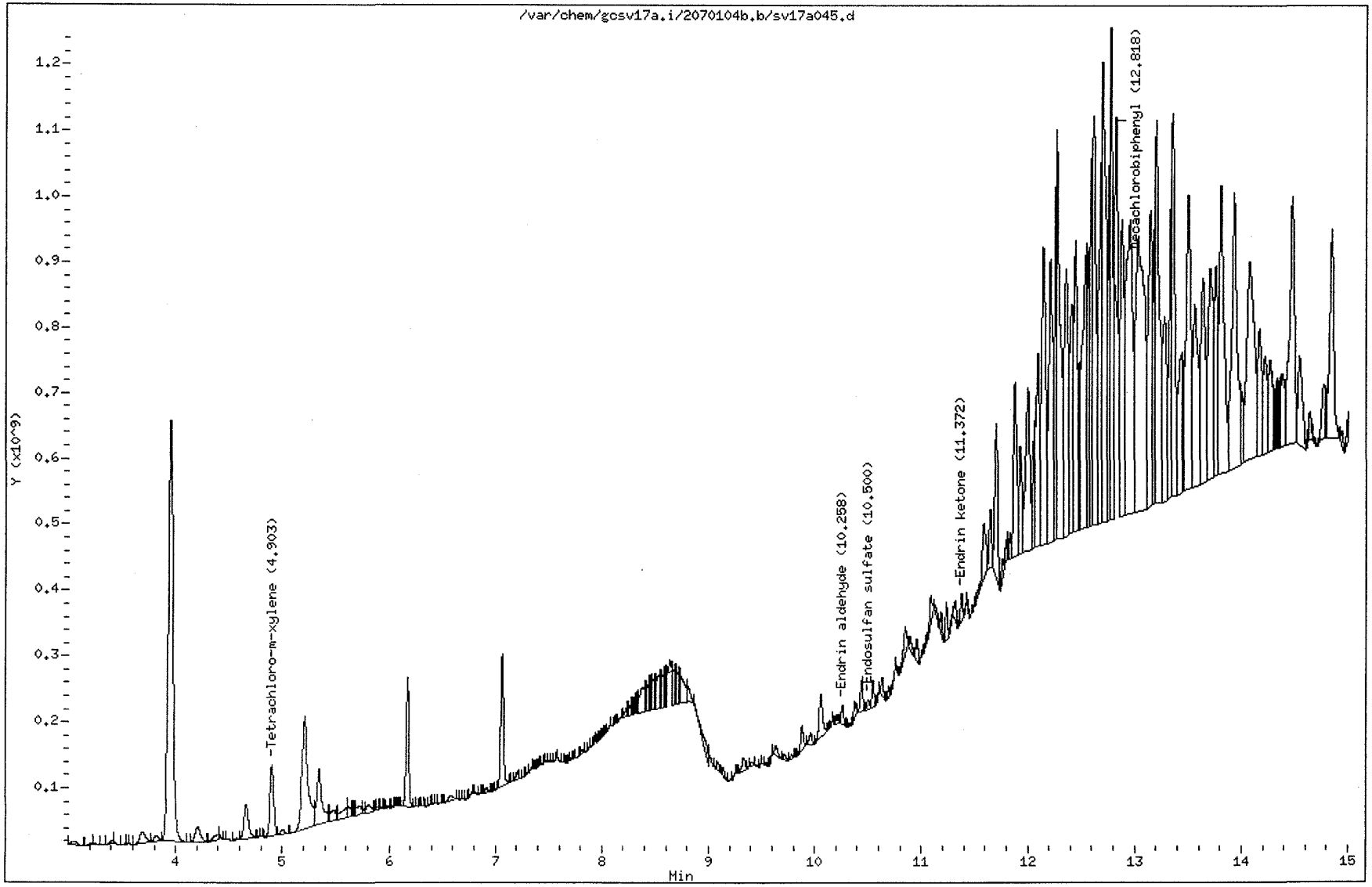
034896

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a045.d
Date : 05-JAN-2007 12:24
Client ID:
Sample Info: 20612072813*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i

Operator: tls
Column diameter: 0.32

000809



034897

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b045.d
Report Date: 08-Jan-2007 14:15

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b045.d
Lab Smp Id: 20612072813
Inj Date : 05-JAN-2007 12:45
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072813*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 45
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	30.10000	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	5.100	5.099	0.001	270834068	55.4975	9.2
18	Endrin aldehyde	9.956	9.932	0.024	82840643	26.0282	4.3
20	Endosulfan sulfate	10.290	10.300	-0.010	49407660	17.8586	3.0(H)
21	Endrin ketone	10.809	10.812	-0.003	49289561	13.0984	2.2
$ 22	Decachlorobiphenyl	12.623	12.649	-0.026	2387461195	665.594	110(A)

QC Flag Legend

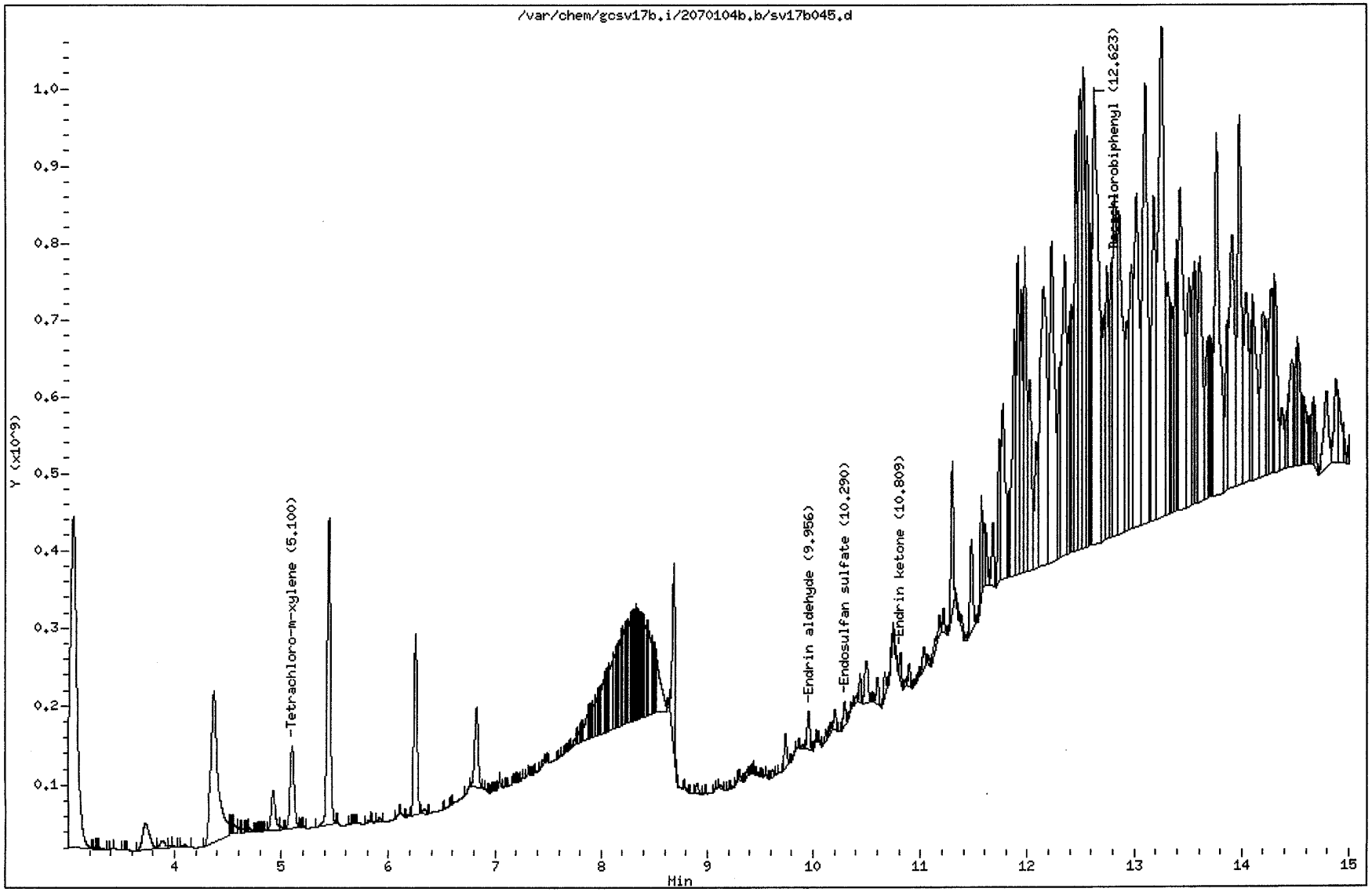
A - Target compound detected but, quantitated amount exceeded maximum amount.
H - Operator selected an alternate compound hit.

034898

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b045.d
Date : 05-JAN-2007 12:45
Client ID:
Sample Info: 20612072813*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000811



034899

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED3-003 (0-0.5)D

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072814

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1100

% Moisture: 56.3 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1245

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a046

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00456	U	0.000662	0.00456
72-55-9	4,4'-DDE	0.00456	U	0.000890	0.00456
50-29-3	4,4'-DDT	0.00456	U	0.00100	0.00456
309-00-2	Aldrin	0.00228	U	0.000685	0.00228
60-57-1	Dieldrin	0.00456	U	0.000685	0.00456
959-98-8	Endosulfan I	0.00228	U	0.000525	0.00228
33213-65-9	Endosulfan II	0.00456	U	0.000571	0.00456
1031-07-8	Endosulfan sulfate	0.00870		0.000822	0.00456
72-20-8	Endrin	0.00456	U	0.000833	0.00456
7421-93-4	Endrin aldehyde	0.015		0.000856	0.00456
53494-70-5	Endrin ketone	0.012		0.000730	0.00456
76-44-8	Heptachlor	0.00228	U	0.000685	0.00228
1024-57-3	Heptachlor epoxide	0.00228	U	0.000947	0.00228
72-43-5	Methoxychlor	0.023	U	0.00114	0.023
8001-35-2	Toxaphene	0.228	U	0.011	0.228
319-84-6	alpha-BHC	0.00228	U	0.000867	0.00228
5103-71-9	alpha-Chlordane	0.00228	U	0.000719	0.00228
319-85-7	beta-BHC	0.00456	U	0.000936	0.00456
319-86-8	delta-BHC	0.00228	U	0.000845	0.00228
58-89-9	gamma-BHC (Lindane)	0.00228	U	0.000662	0.00228
5103-74-2	gamma-Chlordane	0.00228	U	0.000810	0.00228

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a046.d
Report Date: 12-Jan-2007 10:46

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a046.d
Lab Smp Id: 20612072814
Inj Date : 05-JAN-2007 12:45
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072814*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 46
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.904	4.903	0.001	338034751	69.1647	11
18	Endrin aldehyde	10.257	10.281	-0.024	70676020	21.8466	3.6
20	Endosulfan sulfate	10.497	10.479	0.018	16453501	4.87178	0.81
21	Endrin ketone	11.375	11.360	0.015	129223304	31.5171	5.2(M1)
$ 22	Decachlorobiphenyl	12.822	12.824	-0.002	7812543767	2153.24	360(AM2)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a046.d
Report Date: 12-Jan-2007 10:46

QC Flag Legend

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

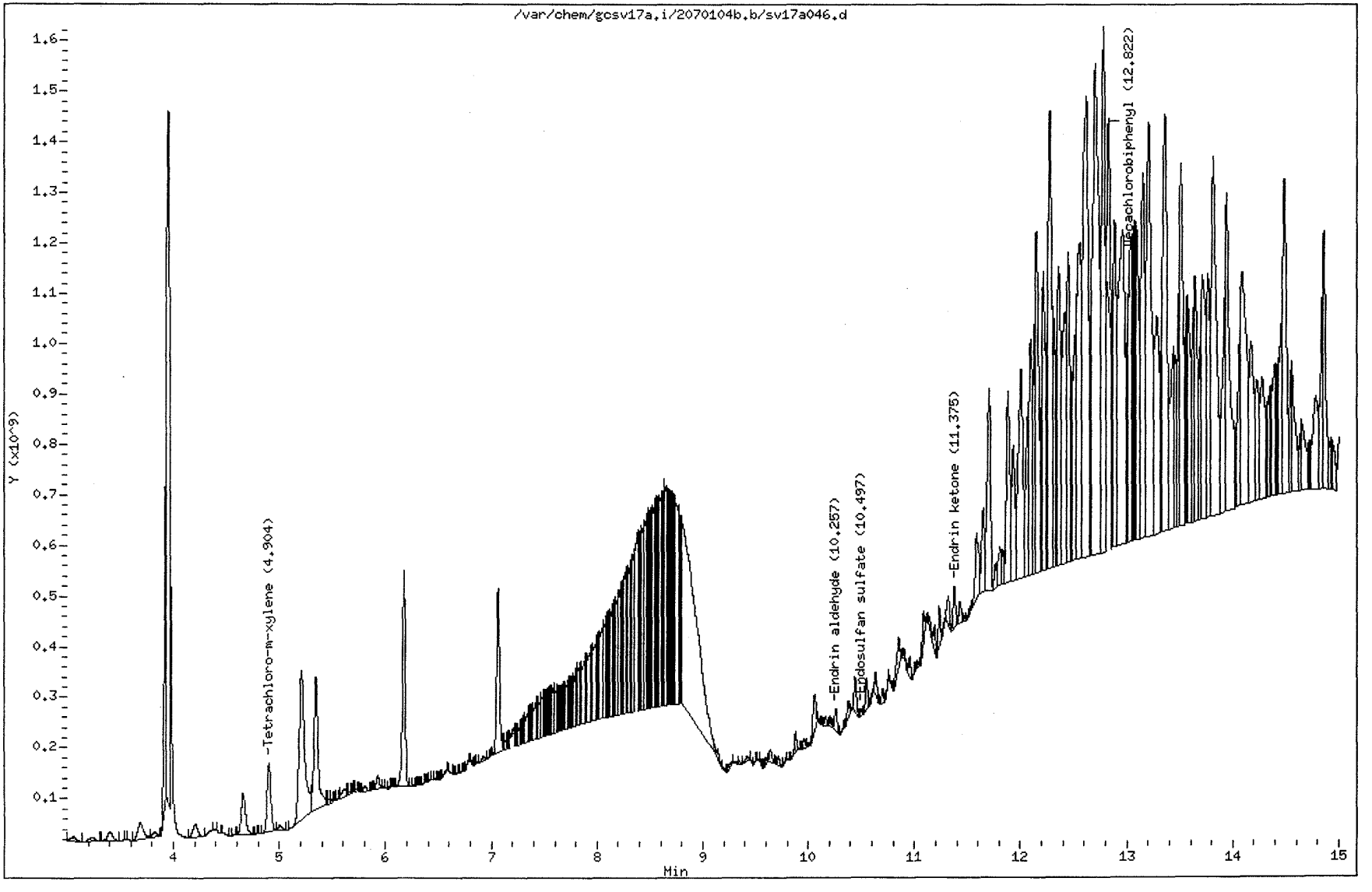
034902

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a046.d
Date : 05-JAN-2007 12:45
Client ID:
Sample Info: 20612072814x1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i

Operator: tls
Column diameter: 0.32

000815



034903

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b046.d
Report Date: 08-Jan-2007 14:16

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b046.d
Lab Smp Id: 20612072814
Inj Date : 05-JAN-2007 13:06
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072814*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 46
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	30.10000	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	5.101	5.099	0.002	350784976	71.8804	12
18	Endrin aldehyde	9.957	9.932	0.025	128043029	40.2306	6.7
20	Endosulfan sulfate	10.292	10.300	-0.008	63569835	22.9775	3.8
21	Endrin ketone	10.813	10.812	0.001	84960469	22.5777	3.8(H)
$ 22	Decachlorobiphenyl	12.631	12.649	-0.018	817490189	227.906	38(AM)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M - Compound response manually integrated.
H - Operator selected an alternate compound hit.

000816

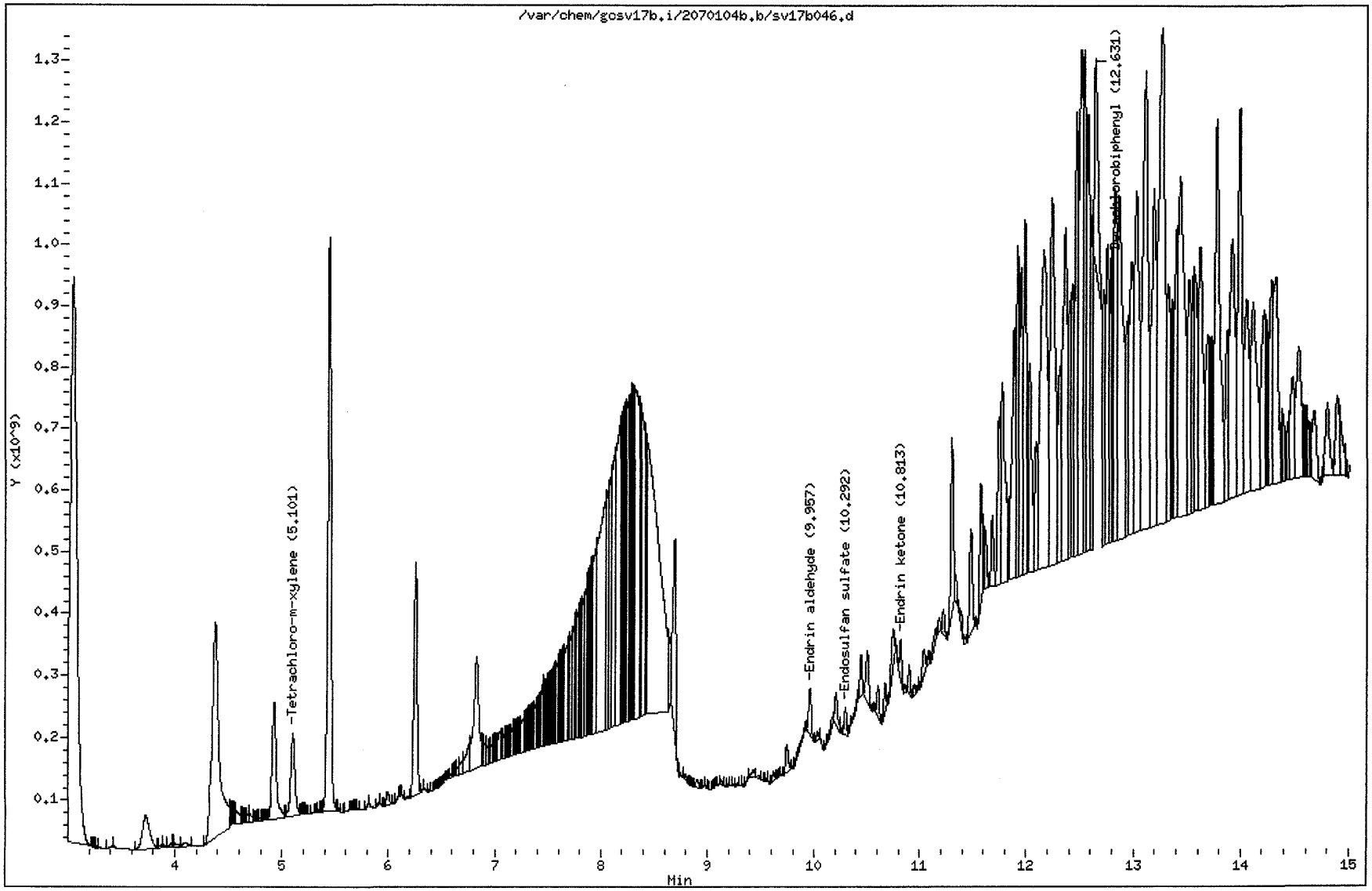
034904

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b046.d
Date : 05-JAN-2007 13:06
Client ID:
Sample Info: 20612072814*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

000817



034905

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED4-004 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.3 | Units: g | Lab Sample ID: 20612072815

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1130

% Moisture: 53.6 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1306

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a047

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00427	U	0.000619	0.00427
72-55-9	4,4'-DDE	0.00256	J	0.000832	0.00427
50-29-3	4,4'-DDT	0.00427	U	0.000939	0.00427
309-00-2	Aldrin	0.00213	U	0.000640	0.00213
60-57-1	Dieldrin	0.00211	J	0.000640	0.00427
959-98-8	Endosulfan I	0.00213	U	0.000491	0.00213
33213-65-9	Endosulfan II	0.00427	U	0.000533	0.00427
1031-07-8	Endosulfan sulfate	0.060		0.000768	0.00427
72-20-8	Endrin	0.00427	U	0.000779	0.00427
7421-93-4	Endrin aldehyde	0.00431		0.000800	0.00427
53494-70-5	Endrin ketone	0.013		0.000683	0.00427
76-44-8	Heptachlor	0.00213	U	0.000640	0.00213
1024-57-3	Heptachlor epoxide	0.00213	U	0.000885	0.00213
72-43-5	Methoxychlor	0.021	U	0.00107	0.021
8001-35-2	Toxaphene	0.213	U	0.010	0.213
319-84-6	alpha-BHC	0.00213	U	0.000811	0.00213
5103-71-9	alpha-Chlordane	0.00213	U	0.000672	0.00213
319-85-7	beta-BHC	0.00427	U	0.000875	0.00427
319-86-8	delta-BHC	0.00213	U	0.000789	0.00213
58-89-9	gamma-BHC (Lindane)	0.00213	U	0.000619	0.00213
5103-74-2	gamma-Chlordane	0.00360		0.000757	0.00213

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a047.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a047.d
Lab Smp Id: 20612072815
Inj Date : 05-JAN-2007 13:06
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072815*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 47
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

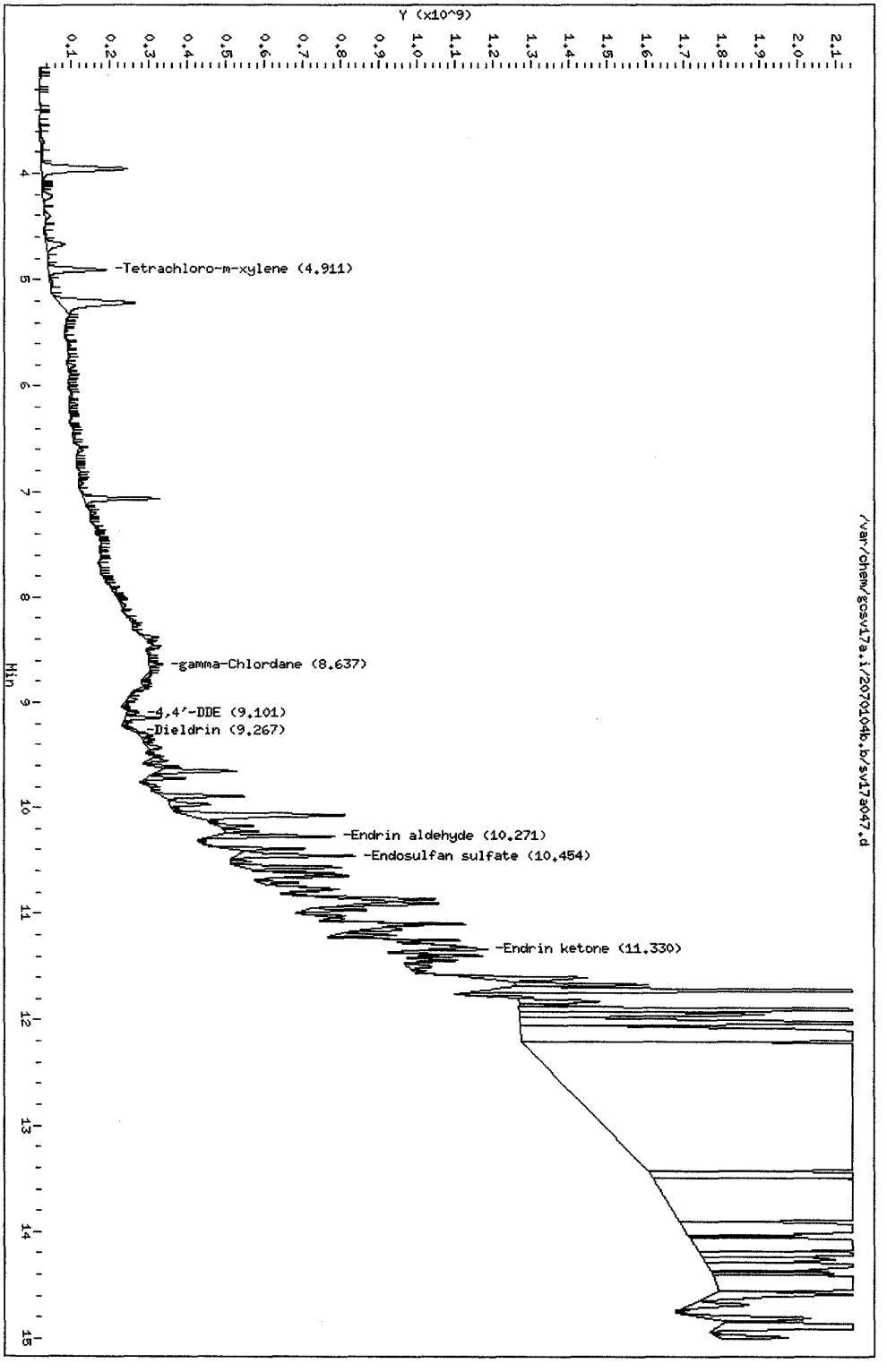
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS ON-COLUMN	CONCENTRATIONS FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1	Tetrachloro-m-xylene	4.911	4.903	0.008	372563977	76.2297	13
10	gamma-Chlordane	8.637	8.634	0.003	49314300	10.1090	1.7
12	4,4'-DDE	9.101	9.100	0.001	35137769	7.20281	1.2
13	Dieldrin	9.267	9.246	0.021	29503450	5.93600	0.98
18	Endrin aldehyde	10.271	10.281	-0.010	508857371	157.293	26
20	Endosulfan sulfate	10.454	10.479	-0.025	572659361	169.561	28
21	Endrin ketone	11.330	11.360	-0.030	153089965	37.3381	6.2

000819

034907



000820

034908

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b047.d
Report Date: 08-Jan-2007 08:42

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b047.d
Lab Smp Id: 20612072815
Inj Date : 05-JAN-2007 13:27
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072815*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 47
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	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

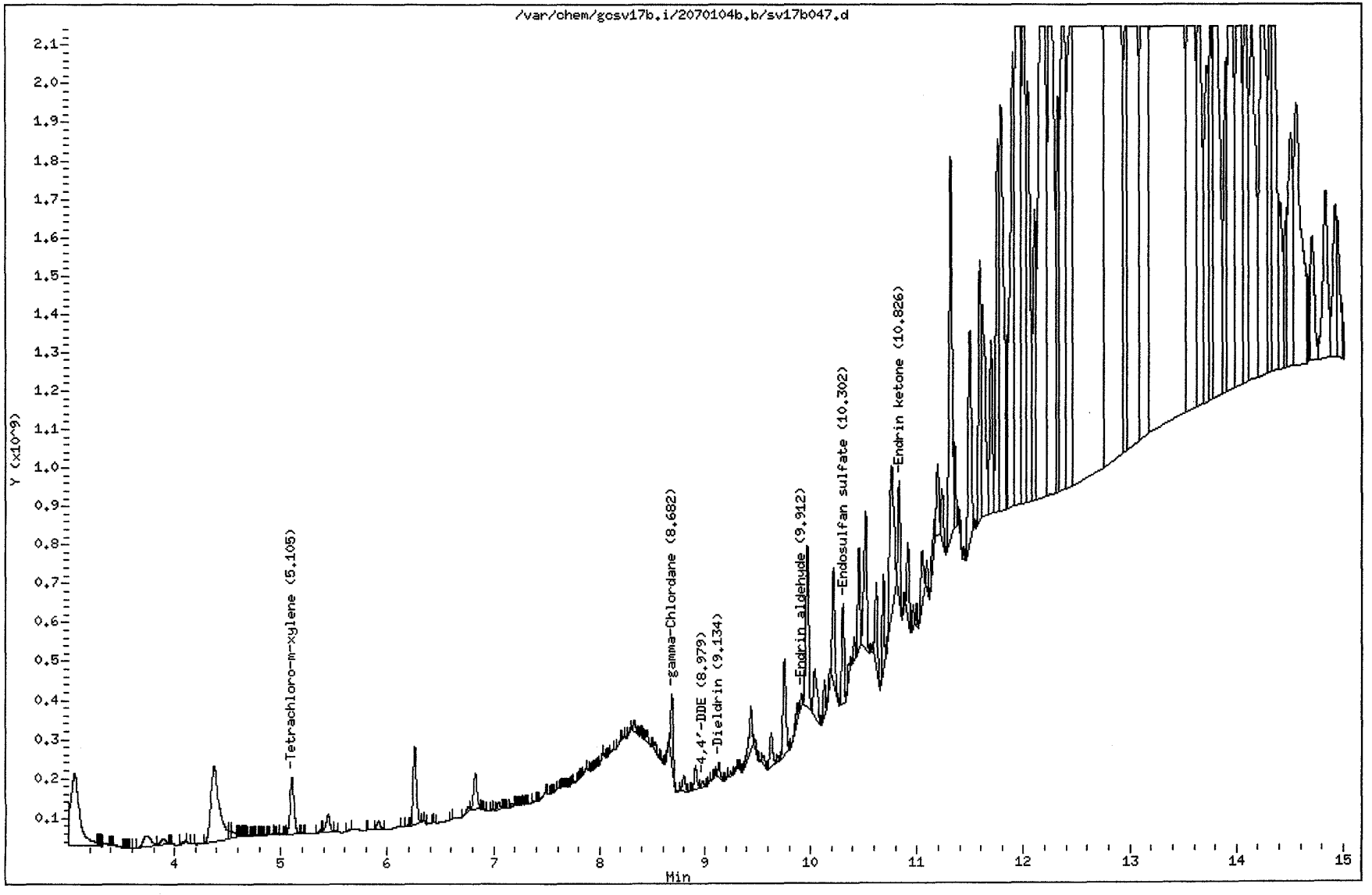
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	5.105	5.099	0.006	378939925	77.6498	13
10	gamma-Chlordane	8.682	8.699	-0.017	281171416	59.6437	9.8
12	4,4'-DDE	8.979	9.008	-0.029	30656619	6.44998	1.1
13	Dieldrin	9.134	9.140	-0.006	60236547	12.6072	2.1
18	Endrin aldehyde	9.912	9.932	-0.020	37827088	11.8851	2.0
20	Endosulfan sulfate	10.302	10.300	0.002	402841427	145.608	24
21	Endrin ketone	10.826	10.812	0.014	421250244	111.944	18

034909

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b047.d
Date : 05-JAN-2007 13:27
Client ID:
Sample Info: 20612072815x1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000822



034910

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED15-015 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20612072816

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1135

% Moisture: 65.7 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1327

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a048

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00582	U	0.000844	0.00582
72-55-9	4,4'-DDE	0.00582	U	0.00114	0.00582
50-29-3	4,4'-DDT	0.00582	U	0.00128	0.00582
309-00-2	Aldrin	0.00291	U	0.000873	0.00291
60-57-1	Dieldrin	0.00582	U	0.000873	0.00582
959-98-8	Endosulfan I	0.00291	U	0.000670	0.00291
33213-65-9	Endosulfan II	0.00582	U	0.000728	0.00582
1031-07-8	Endosulfan sulfate	0.00582	U	0.00105	0.00582
72-20-8	Endrin	0.00582	U	0.00106	0.00582
7421-93-4	Endrin aldehyde	0.00582	U	0.00109	0.00582
53494-70-5	Endrin ketone	0.00582	U	0.000932	0.00582
76-44-8	Heptachlor	0.00291	U	0.000873	0.00291
1024-57-3	Heptachlor epoxide	0.00291	U	0.00121	0.00291
72-43-5	Methoxychlor	0.029	U	0.00146	0.029
8001-35-2	Toxaphene	0.291	U	0.014	0.291
319-84-6	alpha-BHC	0.00291	U	0.00111	0.00291
5103-71-9	alpha-Chlordane	0.00291	U	0.000917	0.00291
319-85-7	beta-BHC	0.00582	U	0.00119	0.00582
319-86-8	delta-BHC	0.00291	U	0.00108	0.00291
58-89-9	gamma-BHC (Lindane)	0.00291	U	0.000844	0.00291
5103-74-2	gamma-Chlordane	0.00291	U	0.00103	0.00291

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a048.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a048.d
Lab Smp Id: 20612072816
Inj Date : 05-JAN-2007 13:27
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072816*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

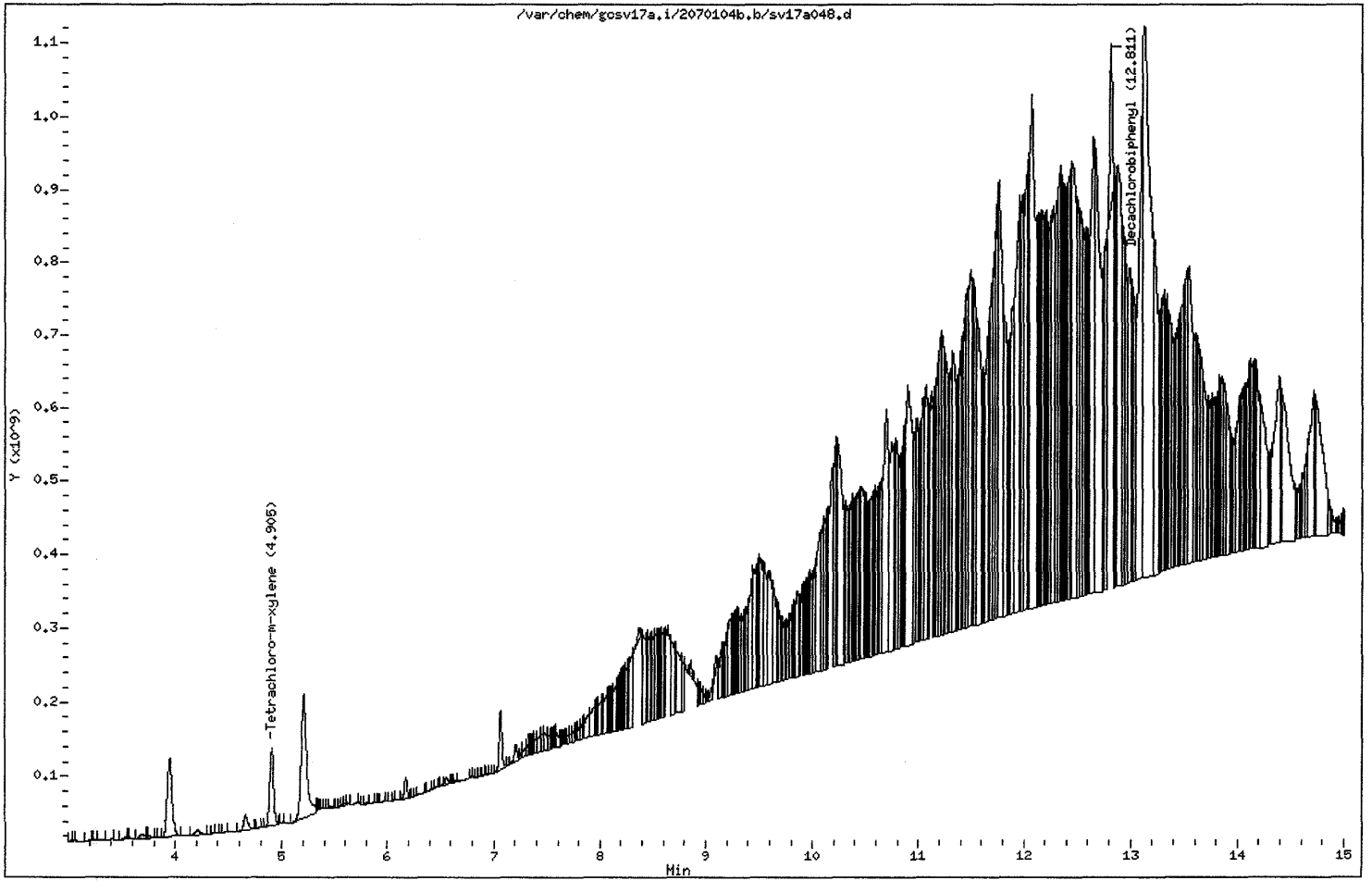
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.905	4.903	0.002	263710943	53.9574	9.0
$ 22 Decachlorobiphenyl	12.811	12.824	-0.013	356250730	98.1874	16(M1)

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

000825

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a048.d
Date : 05-JAN-2007 13:27
Client ID:
Instrument: gcsv17a.i
Sample Info: 20612072816*1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



034913

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b048.d
Report Date: 08-Jan-2007 08:42

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b048.d
Lab Smp Id: 20612072816
Inj Date : 05-JAN-2007 13:48
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072816*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 48
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	5.099	5.099	0.000	260110112	53.3000	8.9
$ 22 Decachlorobiphenyl	12.643	12.649	-0.006	1719283204	479.314	80(A)

QC Flag Legend

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

000826

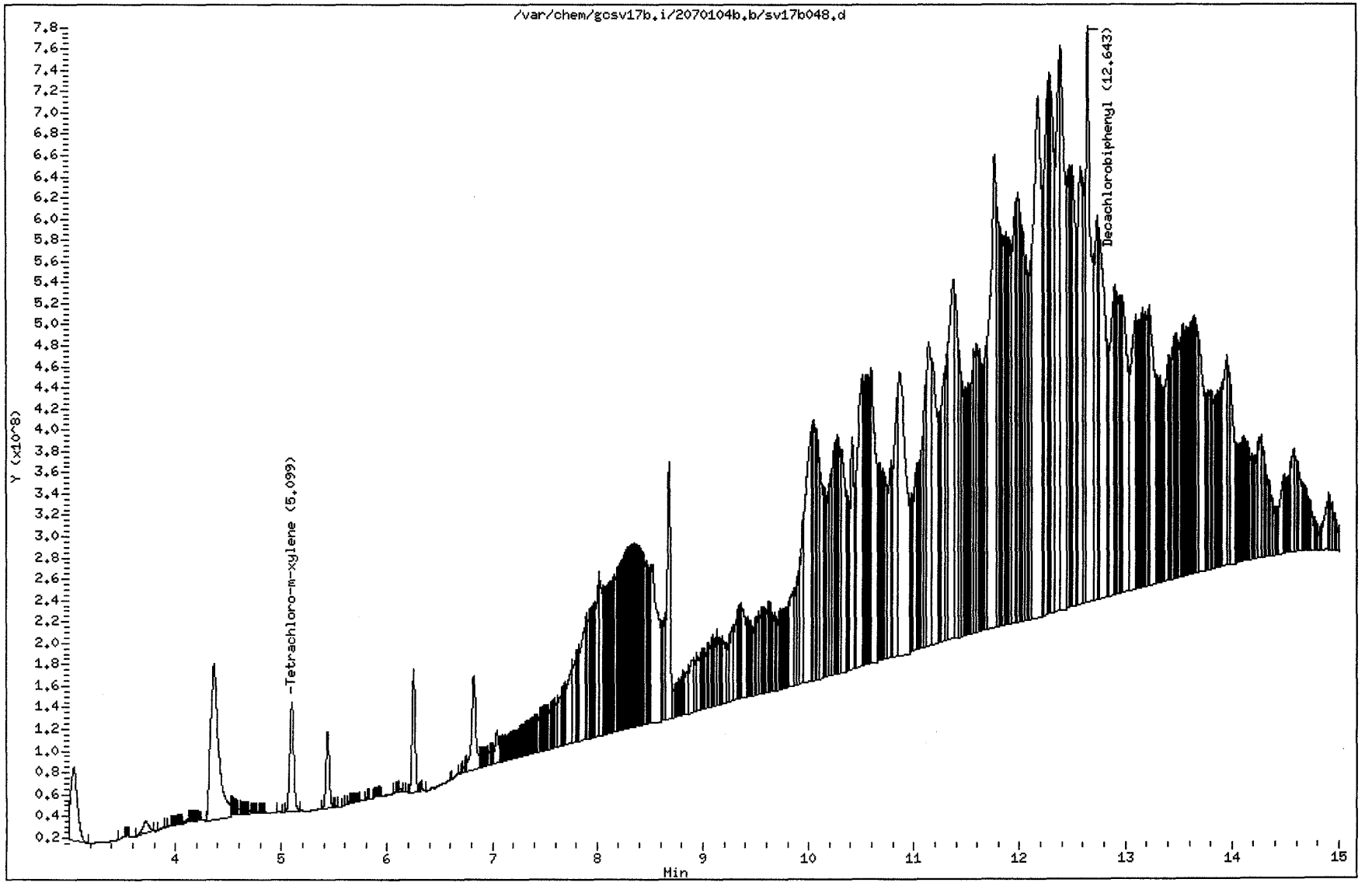
034914

000827

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b048.d
Date : 05-JAN-2007 13:48
Client ID:
Sample Info: 20612072816*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32



034915

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED7-007 (0-0.5)

Lab Code: LA024 Case No.: | Contract:

Matrix: Soil | SAS No.: SDG No.: 206120728

Sample wt/vol: 30.3 Units: g | Lab Sample ID: 20612072817

Level: (low/med) LOW | Date Collected: 12/06/06 Time: 0900

% Moisture: 35.3 decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/19/06 Time: 1049

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

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

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

Prep Batch: 338462 Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a051

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00306	U	0.000444	0.00306
72-55-9	4,4'-DDE	0.00306	U	0.000597	0.00306
50-29-3	4,4'-DDT	0.00114	J	0.000674	0.00306
309-00-2	Aldrin	0.00153	U	0.000459	0.00153
60-57-1	Dieldrin	0.00306	U	0.000459	0.00306
959-98-8	Endosulfan I	0.00153	U	0.000352	0.00153
33213-65-9	Endosulfan II	0.00306	U	0.000383	0.00306
1031-07-8	Endosulfan sulfate	0.00306	U	0.000551	0.00306
72-20-8	Endrin	0.00306	U	0.000559	0.00306
7421-93-4	Endrin aldehyde	0.00306	U	0.000574	0.00306
53494-70-5	Endrin ketone	0.00306	U	0.000490	0.00306
76-44-8	Heptachlor	0.00153	U	0.000459	0.00153
1024-57-3	Heptachlor epoxide	0.00153	U	0.000635	0.00153
72-43-5	Methoxychlor	0.015	U	0.000766	0.015
8001-35-2	Toxaphene	0.153	U	0.00717	0.153
319-84-6	alpha-BHC	0.00153	U	0.000582	0.00153
5103-71-9	alpha-Chlordane	0.00153	U	0.000482	0.00153
319-85-7	beta-BHC	0.00306	U	0.000628	0.00306
319-86-8	delta-BHC	0.00153	U	0.000567	0.00153
58-89-9	gamma-BHC (Lindane)	0.00153	U	0.000444	0.00153
5103-74-2	gamma-Chlordane	0.00278		0.000544	0.00153

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a051.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a051.d
Lab Smp Id: 20612072817
Inj Date : 19-DEC-2006 10:49
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072817*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 51
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	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

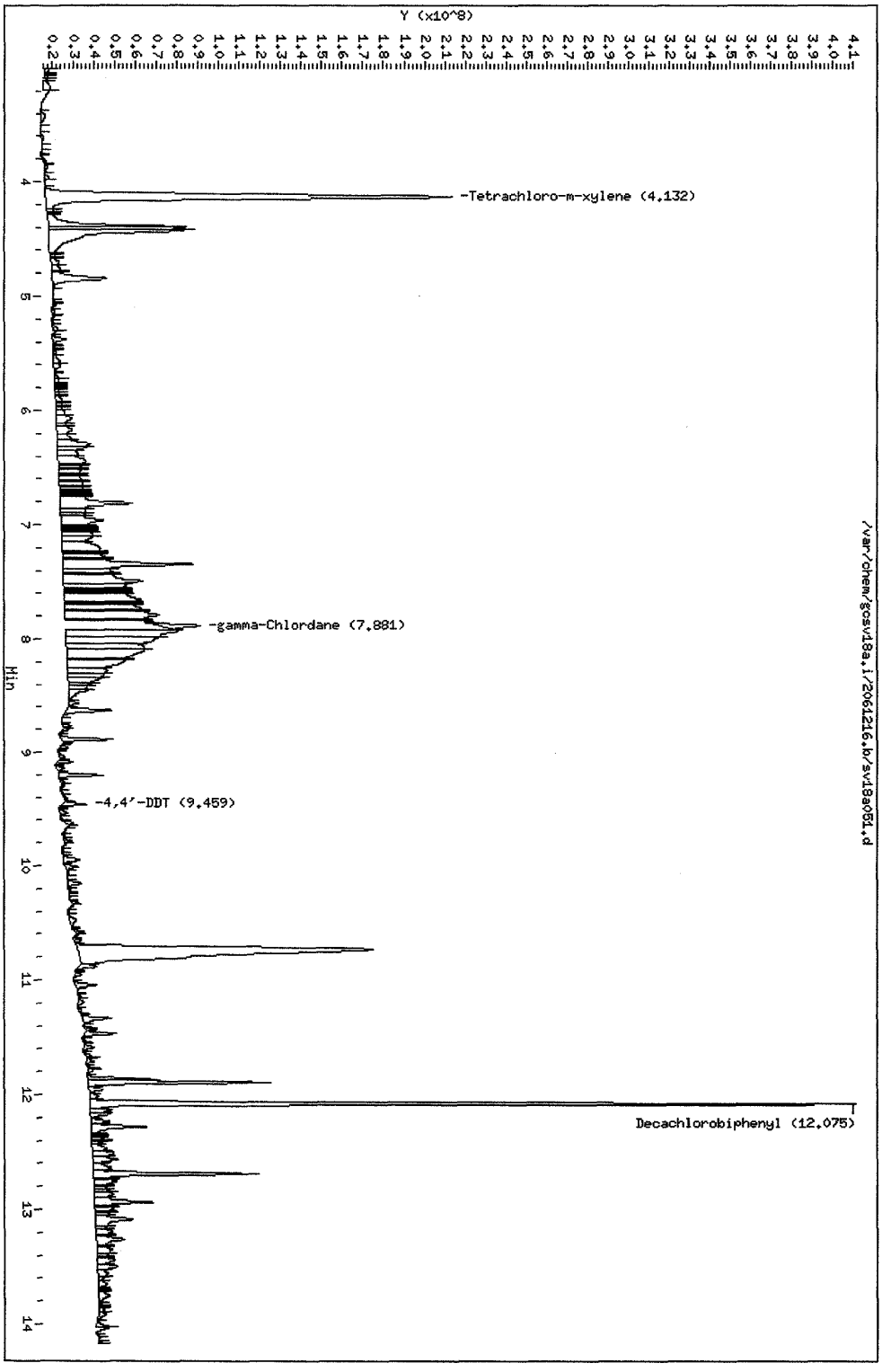
						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$	1 Tetrachloro-m-xylene	4.132	4.116	0.016	602130324	112.156	19(A)
	10 gamma-Chlordane	7.881	7.889	-0.008	36765373	7.01051	1.2(M2)
	17 4,4'-DDT	9.459	9.441	0.018	17504792	4.45633	0.74
$	22 Decachlorobiphenyl	12.075	12.078	-0.003	547557657	134.705	22

QC Flag Legend

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

000829

034917



000830

034918

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b051.d
Report Date: 11-Jan-2007 16:07

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b051.d
Lab Smp Id: 20612072817
Inj Date : 19-DEC-2006 11:07
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20612072817*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 14:46 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 51
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	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.830	4.825	0.005	703419320		107.015	18(A)
10 gamma-Chlordane	8.405	8.409	-0.004	69237828		10.7678	1.8
17 4,4'-DDT	9.775	9.761	0.014	14945364		3.04412	0.50
$ 22 Decachlorobiphenyl	12.335	12.337	-0.002	653945882		122.829	20

QC Flag Legend

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

000831

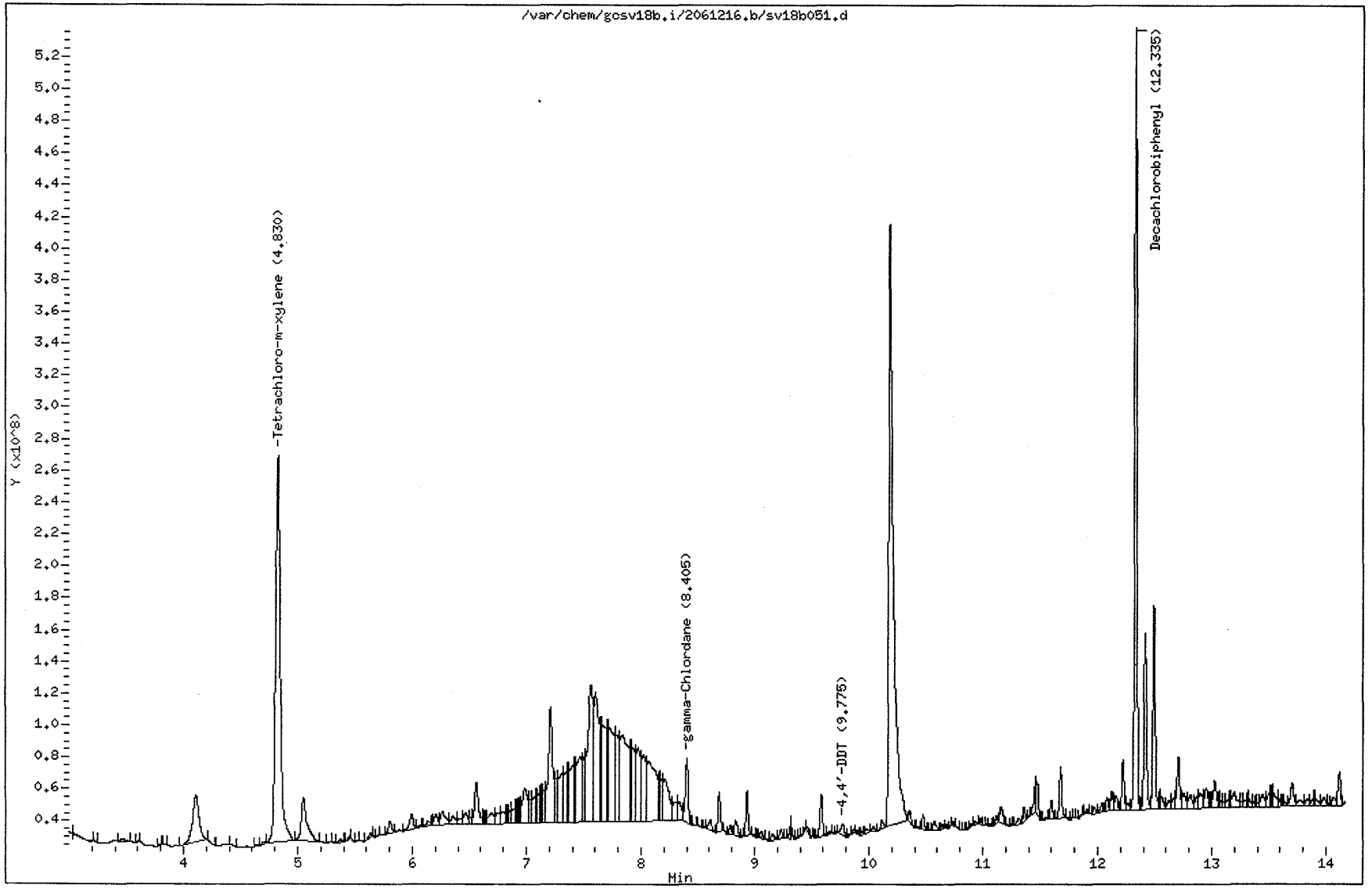
034919

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b051.d
Date : 19-DEC-2006 11:07
Client ID:
Sample Info: 20612072817x1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32

000832



034920

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED13-013 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072818

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0905

% Moisture: 17.1 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/19/06 | Time: 1107

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a052

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00240	U	0.000349	0.00240
72-55-9	4,4'-DDE	0.00240	U	0.000469	0.00240
50-29-3	4,4'-DDT	0.00240	U	0.000529	0.00240
309-00-2	Aldrin	0.00120	U	0.000361	0.00120
60-57-1	Dieldrin	0.00240	U	0.000361	0.00240
959-98-8	Endosulfan I	0.00120	U	0.000277	0.00120
33213-65-9	Endosulfan II	0.00240	U	0.000301	0.00240
1031-07-8	Endosulfan sulfate	0.00240	U	0.000433	0.00240
72-20-8	Endrin	0.00240	U	0.000439	0.00240
7421-93-4	Endrin aldehyde	0.00240	U	0.000451	0.00240
53494-70-5	Endrin ketone	0.00240	U	0.000385	0.00240
76-44-8	Heptachlor	0.00120	U	0.000361	0.00120
1024-57-3	Heptachlor epoxide	0.00120	U	0.000499	0.00120
72-43-5	Methoxychlor	0.012	U	0.000601	0.012
8001-35-2	Toxaphene	0.120	U	0.00563	0.120
319-84-6	alpha-BHC	0.00120	U	0.000457	0.00120
5103-71-9	alpha-Chlordane	0.00120	U	0.000379	0.00120
319-85-7	beta-BHC	0.00240	U	0.000493	0.00240
319-86-8	delta-BHC	0.00120	U	0.000445	0.00120
58-89-9	gamma-BHC (Lindane)	0.00120	U	0.000349	0.00120
5103-74-2	gamma-Chlordane	0.00120	U	0.000427	0.00120

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a052.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a052.d
Lab Smp Id: 20612072818
Inj Date : 19-DEC-2006 11:07
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072818*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 52
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.110	4.116	-0.006	562269932	104.732	17(A)
$ 22 Decachlorobiphenyl	12.070	12.078	-0.008	506859396	124.693	21

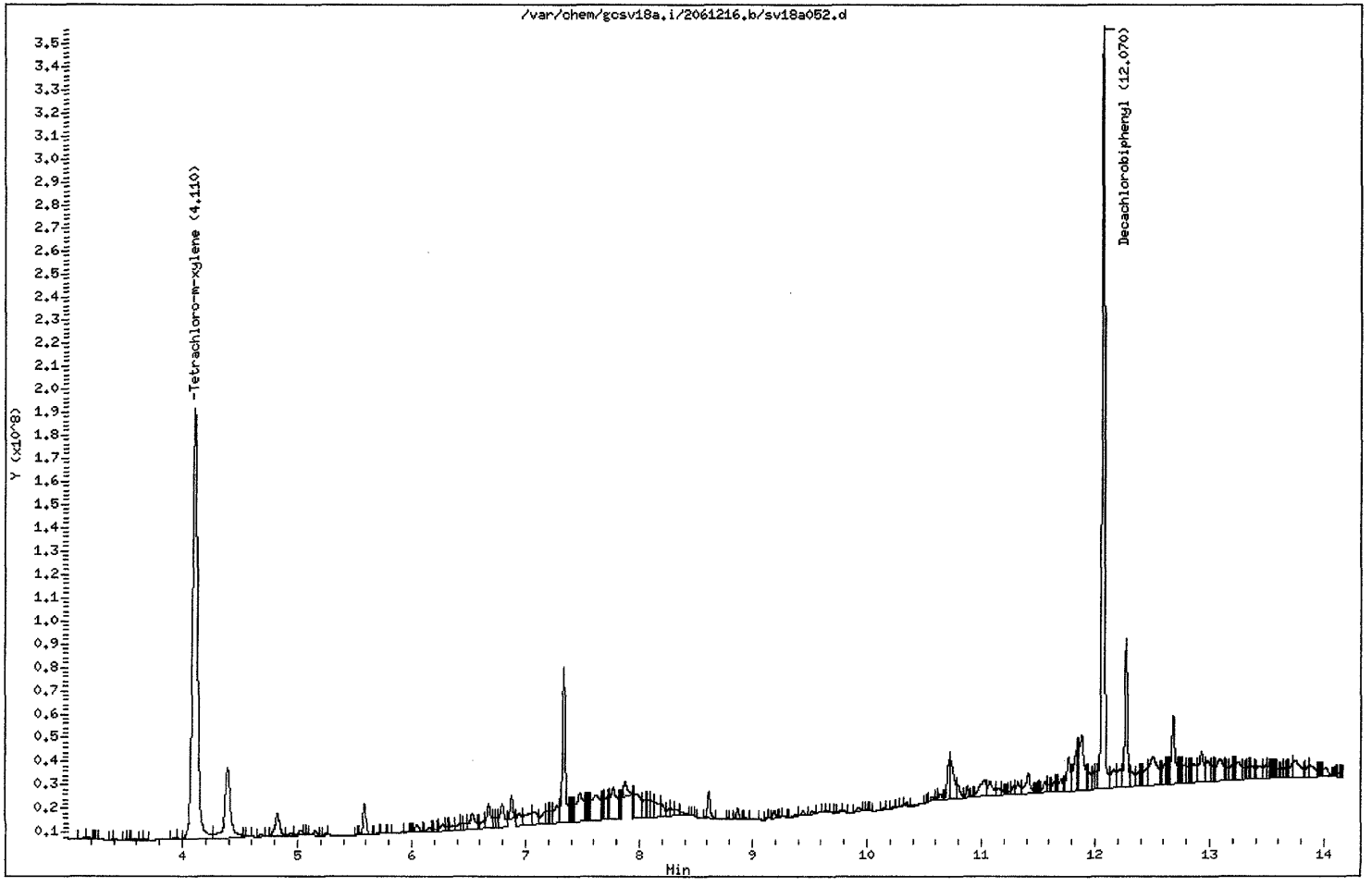
QC Flag Legend

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

034922

000835

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a052.d
Date : 19-DEC-2006 11:07
Client ID:
Instrument: gcsv18a.i
Sample Info: 20612072818M1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



034923

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b052.d
Report Date: 11-Jan-2007 16:08

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b052.d
Lab Smp Id: 20612072818
Inj Date : 19-DEC-2006 11:26
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20612072818*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 14:46 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 52
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	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.826	4.825	0.001	631494955	96.0725	16
$ 22 Decachlorobiphenyl	12.335	12.337	-0.002	561802020	105.522	18

000336

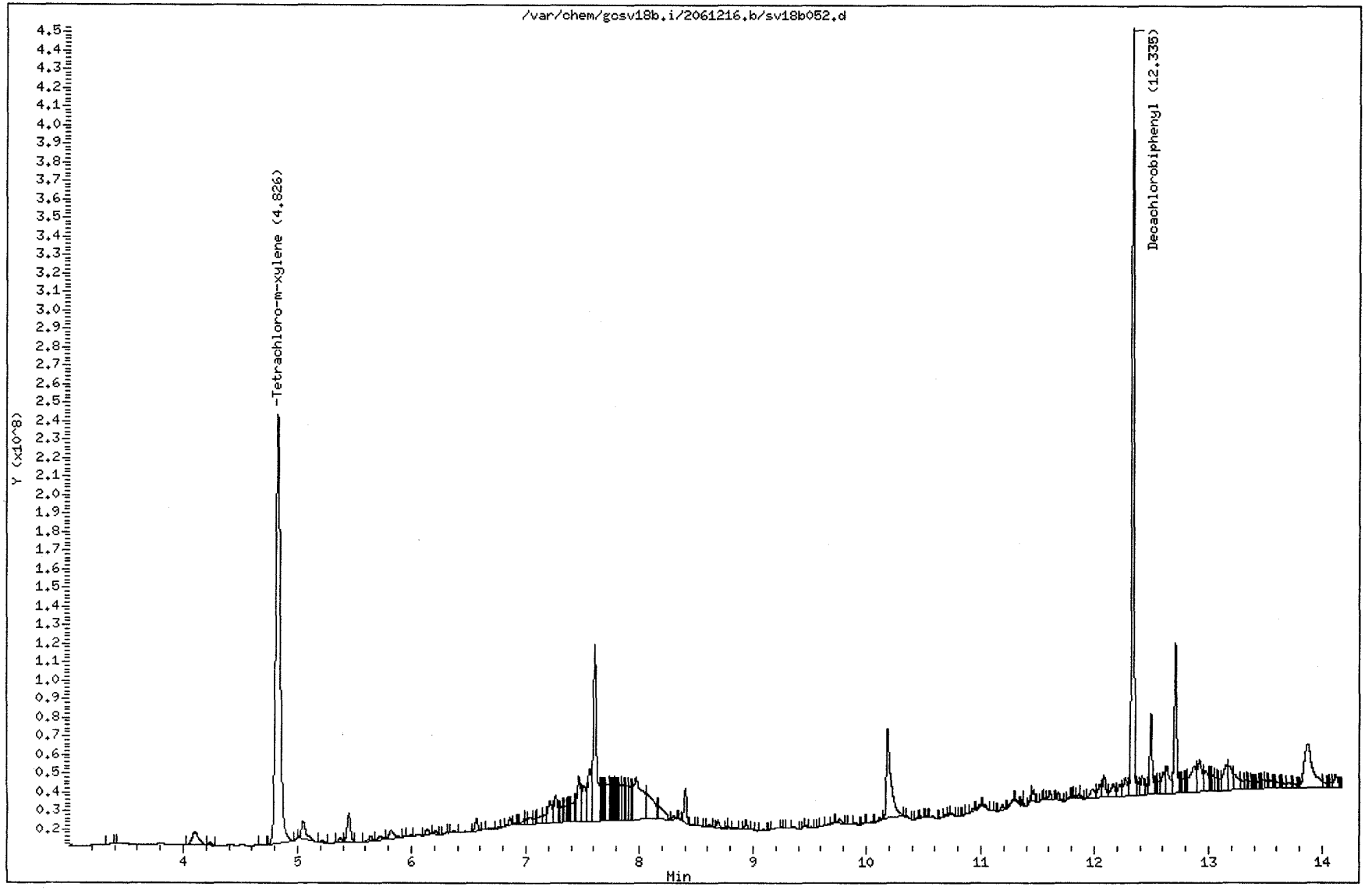
034924

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b052.d
Date : 19-DEC-2006 11:26
Client ID:
Sample Info: 20612072818*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32

000837



034925

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30.5 Units: g
Level: (low/med) LOW
% Moisture: 19.0 decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 338462 Analytical Batch: 339131

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED14-014 (0-0.5)
Contract:
SAS No.: SDG No.: 206120728
Lab Sample ID: 20612072819
Date Collected: 12/06/06 Time: 0910
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/19/06 Time: 1126
Dilution Factor: 1 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8081
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2061216/sv18a053

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00243	U	0.000352	0.00243
72-55-9	4,4'-DDE	0.00243	U	0.000473	0.00243
50-29-3	4,4'-DDT	0.00243	U	0.000534	0.00243
309-00-2	Aldrin	0.00121	U	0.000364	0.00121
60-57-1	Dieldrin	0.00243	U	0.000364	0.00243
959-98-8	Endosulfan I	0.00121	U	0.000279	0.00121
33213-65-9	Endosulfan II	0.00243	U	0.000303	0.00243
1031-07-8	Endosulfan sulfate	0.00243	U	0.000437	0.00243
72-20-8	Endrin	0.00243	U	0.000443	0.00243
7421-93-4	Endrin aldehyde	0.00243	U	0.000455	0.00243
53494-70-5	Endrin ketone	0.00243	U	0.000388	0.00243
76-44-8	Heptachlor	0.00121	U	0.000364	0.00121
1024-57-3	Heptachlor epoxide	0.00121	U	0.000504	0.00121
72-43-5	Methoxychlor	0.012	U	0.000607	0.012
8001-35-2	Toxaphene	0.121	U	0.00569	0.121
319-84-6	alpha-BHC	0.00121	U	0.000461	0.00121
5103-71-9	alpha-Chlordane	0.00121	U	0.000382	0.00121
319-85-7	beta-BHC	0.00243	U	0.000498	0.00243
319-86-8	delta-BHC	0.00121	U	0.000449	0.00121
58-89-9	gamma-BHC (Lindane)	0.00121	U	0.000352	0.00121
5103-74-2	gamma-Chlordane	0.00121	U	0.000431	0.00121

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a053.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a053.d
Lab Smp Id: 20612072819
Inj Date : 19-DEC-2006 11:26
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072819*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 53
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

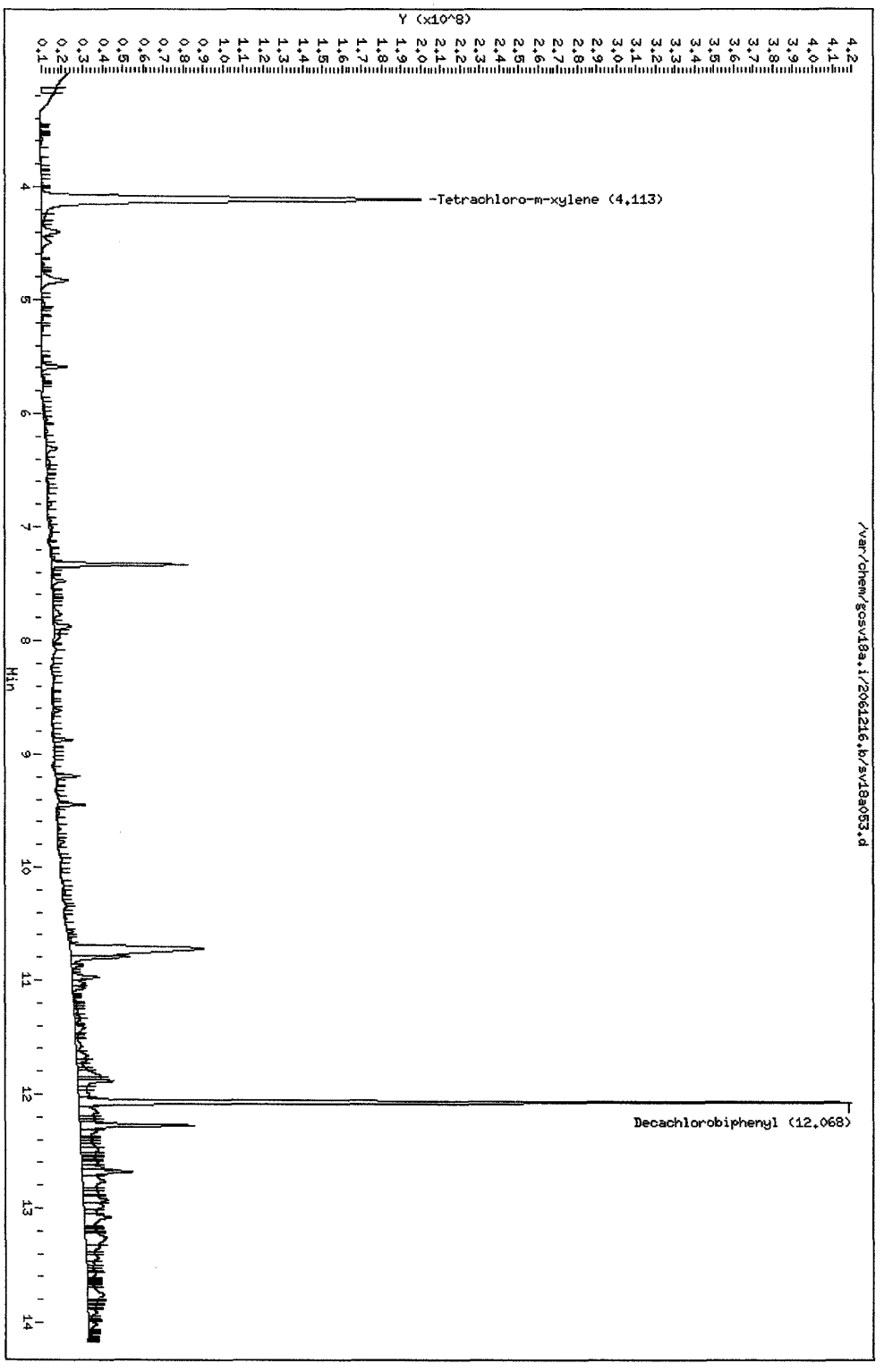
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.113	4.116	-0.003	601381547	112.017	18(A)
$ 22 Decachlorobiphenyl	12.068	12.078	-0.010	580576018	142.828	23

QC Flag Legend

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


Data File: /var/chem/gcsv18a.i/20061216.b/sv18a053.d
Date : 19-DEC-2006 11:26
Client ID:
Sample Info: 20612072819w1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
-Tetrachloro-m-xylene (4.113)
Decachlorobiphenyl (12.068)
/var/chem/gcsv18a.i/20061216.b/sv18a053.d
Min

034928

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b053.d
Report Date: 11-Jan-2007 16:09

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b053.d
Lab Smp Id: 20612072819
Inj Date : 19-DEC-2006 11:45
Operator : tls Inst ID: gcsv18b.i
Smp Info : 20612072819*1
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 14:46 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 53
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	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.831	4.825	0.006	721554924	109.774	18(A)
$ 22 Decachlorobiphenyl	12.336	12.337	-0.001	687791254	129.186	21

QC Flag Legend

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

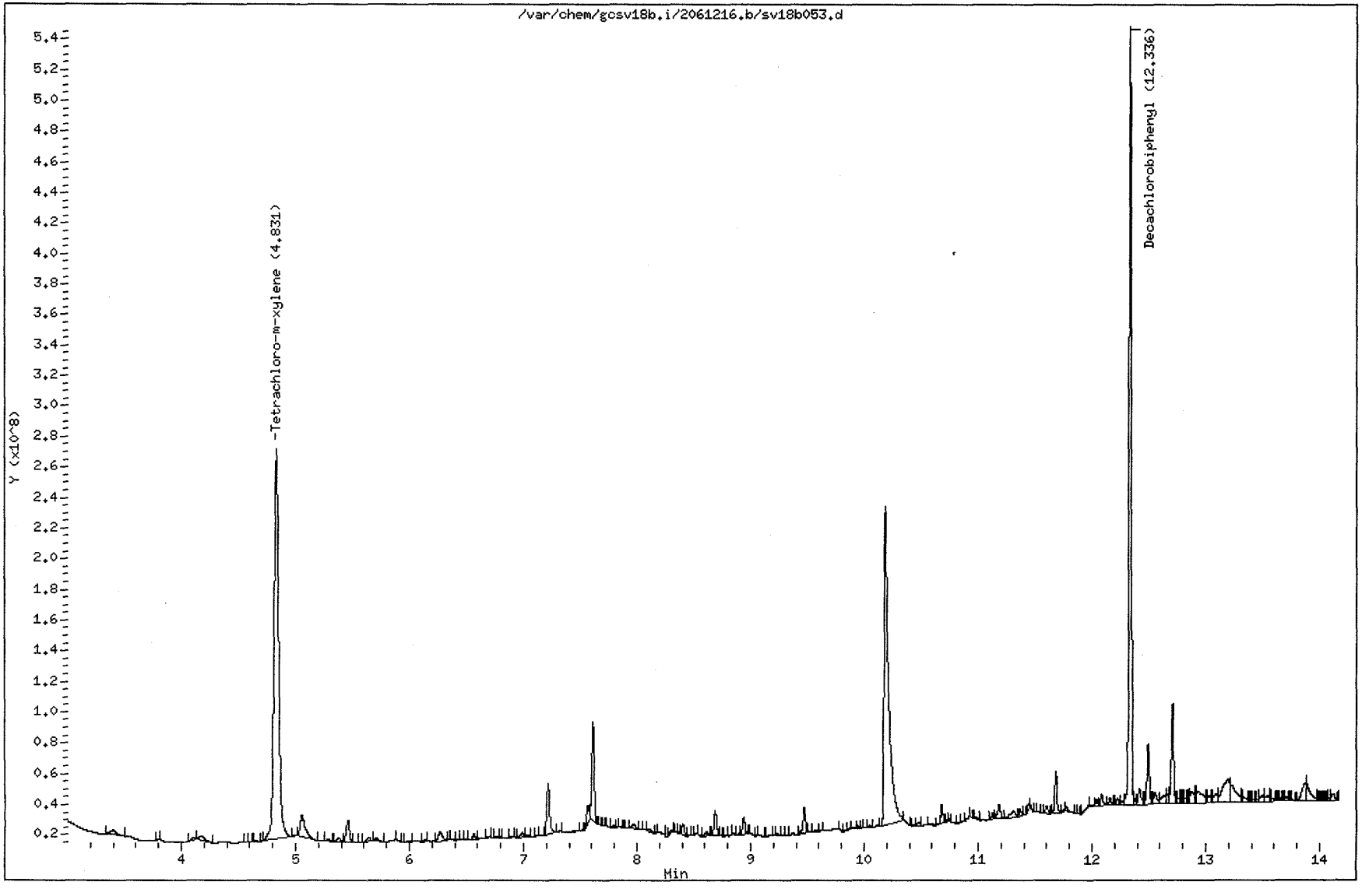
000841

034929

000842

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b053.d
Date : 19-DEC-2006 11:45
Client ID:
Sample Info: 20612072819*1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



034930

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED17-017 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072820

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1130

% Moisture: 47.1 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1348

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a049

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.00377	U	0.000546	0.00377
72-55-9	4,4'-DDE	0.00377	U	0.000735	0.00377
50-29-3	4,4'-DDT	0.00377	U	0.000829	0.00377
309-00-2	Aldrin	0.00188	U	0.000565	0.00188
60-57-1	Dieldrin	0.00377	U	0.000565	0.00377
959-98-8	Endosulfan I	0.00188	U	0.000433	0.00188
33213-65-9	Endosulfan II	0.00377	U	0.000471	0.00377
1031-07-8	Endosulfan sulfate	0.00377	U	0.000678	0.00377
72-20-8	Endrin	0.00377	U	0.000687	0.00377
7421-93-4	Endrin aldehyde	0.00377	U	0.000706	0.00377
53494-70-5	Endrin ketone	0.00377	U	0.000603	0.00377
76-44-8	Heptachlor	0.00188	U	0.000565	0.00188
1024-57-3	Heptachlor epoxide	0.00188	U	0.000782	0.00188
72-43-5	Methoxychlor	0.019	U	0.000942	0.019
8001-35-2	Toxaphene	0.188	U	0.00882	0.188
319-84-6	alpha-BHC	0.00188	U	0.000716	0.00188
5103-71-9	alpha-Chlordane	0.00188	U	0.000593	0.00188
319-85-7	beta-BHC	0.00377	U	0.000772	0.00377
319-86-8	delta-BHC	0.00188	U	0.000697	0.00188
58-89-9	gamma-BHC (Lindane)	0.00188	U	0.000546	0.00188
5103-74-2	gamma-Chlordane	0.00188	U	0.000669	0.00188

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a049.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a049.d
Lab Smp Id: 20612072820
Inj Date : 05-JAN-2007 13:48
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072820*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

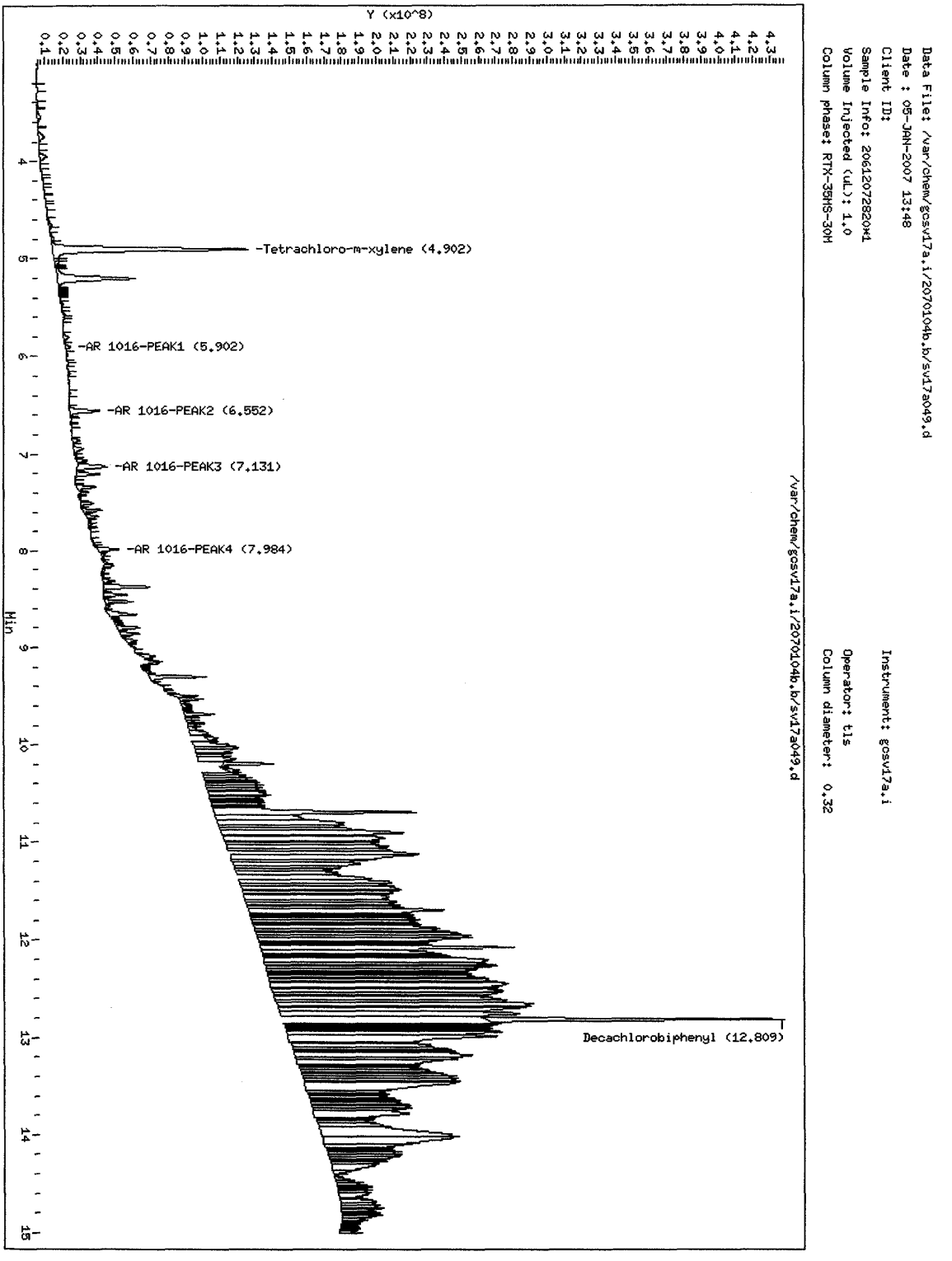
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.902	4.903	-0.001	291293217	59.6010	9.9
$	22 Decachlorobiphenyl	12.809	12.824	-0.015	257999927	71.1082	12(M1)
M	23 AR 1016-AVG				104724384	118.632	20
	24 AR 1016-PEAK1	5.902	5.905	-0.003	6069481	62.0887	10
	25 AR 1016-PEAK2	6.552	6.553	-0.001	36551405	166.410	28
	26 AR 1016-PEAK3	7.131	7.134	-0.003	40756311	97.3509	16
	27 AR 1016-PEAK4	7.984	7.988	-0.004	21347187	145.506	24

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

000844

034932



000845

034933

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b049.d
Report Date: 08-Jan-2007 08:42

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b049.d
Lab Smp Id: 20612072820
Inj Date : 05-JAN-2007 14:09
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072820*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

						CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
Compounds		RT	EXP RT	DLT RT	RESPONSE		
$	1 Tetrachloro-m-xylene	5.096	5.099	-0.003	264239153	54.1461	9.0
$	22 Decachlorobiphenyl	12.641	12.649	-0.008	591793660	164.985	27
M	23 AR 1016-AVG				34132160	76.8784	13
	25 AR 1016-PEAK2	6.280	6.289	-0.009	7237840	57.3667	9.5
	26 AR 1016-PEAK3	7.545	7.543	0.002	11818556	105.474	18
	27 AR 1016-PEAK4	7.743	7.748	-0.005	15075764	134.835	22

000846

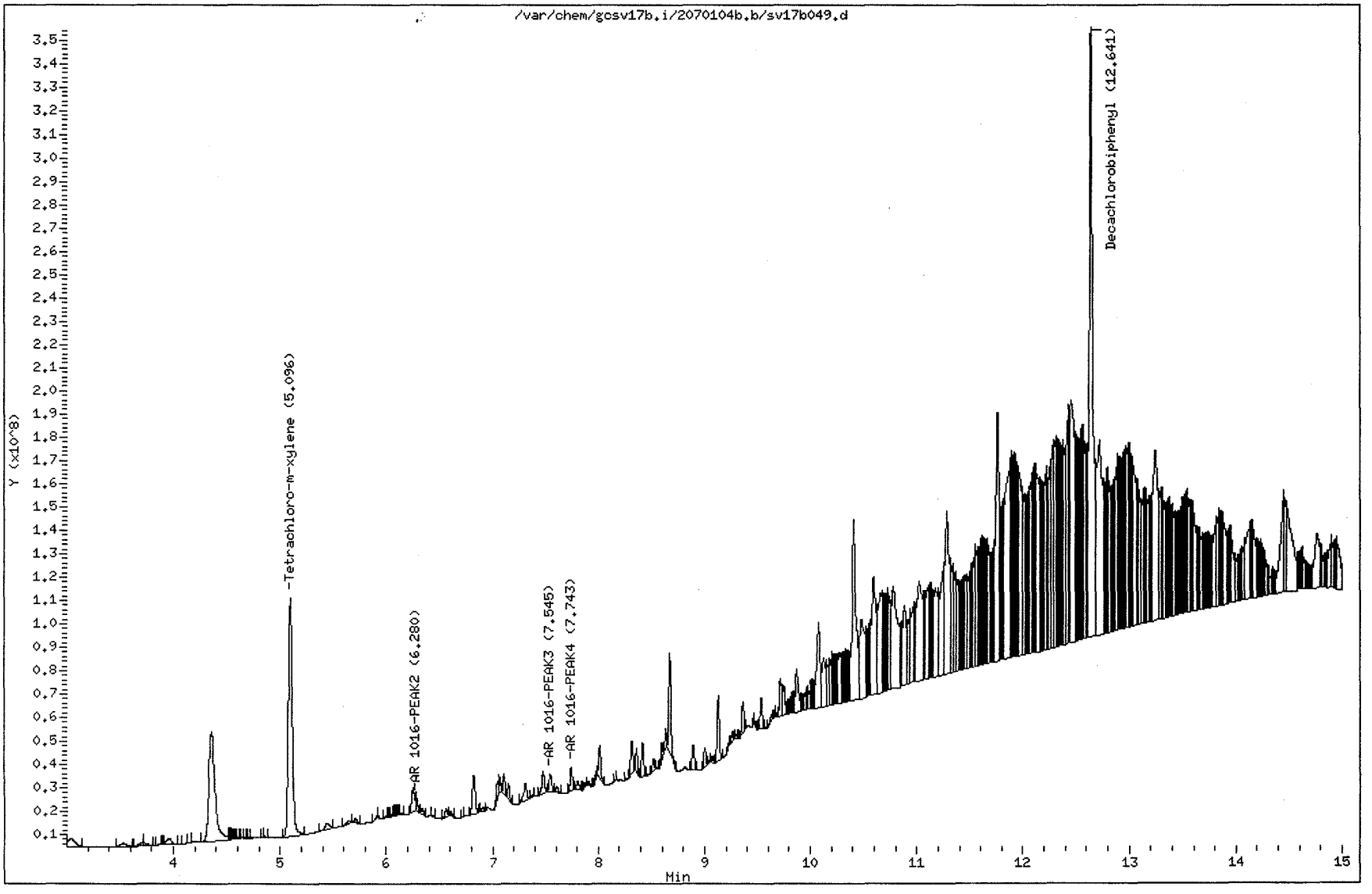
034934

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b049.d
Date : 05-JAN-2007 14:09
Client ID:
Sample Info: 20612072820x1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

000847



034935

Report Date : 10-Jan-2007 14:08

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv17a.i/2061124.b/sv17a020.d
Level 2: /var/chem/gcsv17a.i/2061124.b/sv17a021.d
Level 3: /var/chem/gcsv17a.i/2061124.b/sv17a022.d
Level 4: /var/chem/gcsv17a.i/2061124.b/sv17a023.d
Level 5: /var/chem/gcsv17a.i/2061124.b/sv17a024.d
Level 6: /var/chem/gcsv17a.i/2061124.b/sv17a019.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	6385278	6297865	6501470	6480600	6543270	7209392	6569646	4.958
	3 gamma-BHC (Lindane)	5613782	5429200	5598915	5556767	5611672	+++++	5562067	1.398
	4 Heptachlor	4808813	4548154	4797916	4711074	4778184	+++++	4728828	2.282
	5 Aldrin	5610252	5416026	5517560	5486047	5506034	+++++	5507184	1.267
	6 beta-BHC	2878441	2538148	2510690	2479249	2499943	+++++	2581294	6.488
	7 delta-BHC	5276058	5055277	5302797	5230592	5310285	+++++	5235002	2.010
	8 Heptachlor epoxide	4836525	4598716	4751395	4726360	4775252	+++++	4737650	1.852
	9 Endosulfan I	4424057	4341118	4468860	4473977	4490314	+++++	4439665	1.358
	10 gamma-Chlordane	5015821	4762167	4867616	4851653	4893939	+++++	4878239	1.875
	11 alpha-Chlordane	4576584	4330223	4476746	4427151	4515087	+++++	4465158	2.086
	12 4,4'-DDE	5103047	4725057	4861608	4823063	4878947	+++++	4878345	2.850
	13 Dieldrin	4878718	4793596	5033800	5036173	5108982	+++++	4970254	2.608
	14 Endrin	3881817	3681794	3921316	3865268	3961660	+++++	3862371	2.786
	15 4,4'-DDD	3862642	3767456	3982498	3959486	4048826	+++++	3924182	2.807
	16 Endosulfan II	4080157	3909951	4122584	4114202	4201142	+++++	4085607	2.637
	17 4,4'-DDT	3218715	3148887	3529889	3470064	3571943	+++++	3387900	5.649
	18 Endrin aldehyde	3304396	3102465	3247023	3228604	3293001	+++++	3235098	2.489
	19 Methoxychlor	1643895	1615387	1824401	1801046	1829129	+++++	1742772	5.985
	20 Endosulfan sulfate	3457480	3205294	3429344	3353294	3441112	+++++	3377305	3.083
	21 Endrin ketone	4176642	3906816	4132380	4095636	4189040	+++++	4100103	2.786
M	23 AR 1016-AVG	958137	903714	842237	801619	777102	1013783	882765	10.466

034936

Report Date : 10-Jan-2007 14:08

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	111699	101608	91333	83637	79390	118864	97755	16.062
	25 AR 1016-PEAK2	241938	225975	208332	195913	188411	257310	219646	12.254
	26 AR 1016-PEAK3	444272	425860	403223	388900	380367	469301	418654	8.179
	27 AR 1016-PEAK4	160228	150272	139349	133169	128934	168308	146710	10.627
M	28 AR 1260-AVG	1231996	1194974	1143470	1125729	1125798	1290045	1185335	5.607
	29 AR 1260-PEAK1	166426	157051	146594	141012	138098	174909	154015	9.531
	30 AR 1260-PEAK2	250934	239403	226839	220450	217850	266413	236981	8.026
	31 AR 1260-PEAK3	296216	285063	271068	265248	263105	315658	282726	7.246
	32 AR 1260-PEAK4	518420	513457	498969	499019	506745	533065	511612	2.552
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	139818	+++++	+++++	+++++	139818	0.000
	38 AR 1221-PEAK1	+++++	+++++	15447	+++++	+++++	+++++	15447	0.000
	39 AR 1221-PEAK2	+++++	+++++	56772	+++++	+++++	+++++	56772	0.000
	40 AR 1221-PEAK3	+++++	+++++	36586	+++++	+++++	+++++	36586	0.000
	41 AR 1221-PEAK4	+++++	+++++	31012	+++++	+++++	+++++	31012	0.000
M	42 AR 1232-AVG	+++++	+++++	410450	+++++	+++++	+++++	410450	0.000
	43 AR 1232-PEAK1	+++++	+++++	100501	+++++	+++++	+++++	100501	0.000
	44 AR 1232-PEAK2	+++++	+++++	94528	+++++	+++++	+++++	94528	0.000
	45 AR 1232-PEAK3	+++++	+++++	157369	+++++	+++++	+++++	157369	0.000
	46 AR 1232-PEAK4	+++++	+++++	58051	+++++	+++++	+++++	58051	0.000
M	47 AR 1242-AVG	+++++	+++++	647227	+++++	+++++	+++++	647227	0.000
	48 AR 1242-PEAK1	+++++	+++++	69674	+++++	+++++	+++++	69674	0.000
	49 AR 1242-PEAK2	+++++	+++++	159694	+++++	+++++	+++++	159694	0.000
	50 AR 1242-PEAK3	+++++	+++++	301676	+++++	+++++	+++++	301676	0.000
	51 AR 1242-PEAK4	+++++	+++++	116184	+++++	+++++	+++++	116184	0.000
M	52 AR 1248-AVG	+++++	+++++	658938	+++++	+++++	+++++	658938	0.000

034937

Report Date : 10-Jan-2007 14:08

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	194293	+++++	+++++	+++++	194293	0.000
	54 AR 1248-PEAK2	+++++	+++++	161521	+++++	+++++	+++++	161521	0.000
	55 AR 1248-PEAK3	+++++	+++++	153881	+++++	+++++	+++++	153881	0.000
	56 AR 1248-PEAK4	+++++	+++++	149243	+++++	+++++	+++++	149243	0.000
M	57 AR 1254-AVG	+++++	+++++	578532	+++++	+++++	+++++	578532	0.000
	58 AR 1254-PEAK1	+++++	+++++	75320	+++++	+++++	+++++	75320	0.000
	59 AR 1254-PEAK2	+++++	+++++	76823	+++++	+++++	+++++	76823	0.000
	60 AR 1254-PEAK3	+++++	+++++	139230	+++++	+++++	+++++	139230	0.000
	61 AR 1254-PEAK4	+++++	+++++	287159	+++++	+++++	+++++	287159	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	531114	+++++	531114	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	145569	+++++	145569	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	168588	+++++	168588	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	110260	+++++	110260	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	106697	+++++	106697	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1435501	+++++	1435501	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	211327	+++++	211327	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	228318	+++++	228318	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	528580	+++++	528580	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	467275	+++++	467275	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	1622442	+++++	+++++	+++++	1622442	0.000
	75 AR 1268-PEAK1	+++++	+++++	566551	+++++	+++++	+++++	566551	0.000
	76 AR 1268-PEAK2	+++++	+++++	460110	+++++	+++++	+++++	460110	0.000
	77 AR 1268-PEAK3	+++++	+++++	405141	+++++	+++++	+++++	405141	0.000
	78 AR 1268 PEAK4	+++++	+++++	190641	+++++	+++++	+++++	190641	0.000
M	79 AR 1262-AVG	+++++	+++++	947089	+++++	+++++	+++++	947089	0.000
	80 AR 1262-PEAK1	+++++	+++++	190135	+++++	+++++	+++++	190135	0.000
	81 AR 1262-PEAK2	+++++	+++++	266494	+++++	+++++	+++++	266494	0.000

000850

034938

Report Date : 10-Jan-2007 14:08

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	244155	+++++	+++++	+++++	244155	0.000
83 AR 1262-PEAK4	+++++	+++++	246305	+++++	+++++	+++++	246305	0.000
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	5088923	4912165	4900552	4844719	4690582	+++++	4887388	2.929
$ 22 Decachlorobiphenyl	4180552	3520847	3515727	3407688	3516554	+++++	3628274	8.610

000851

034939

Report Date : 10-Jan-2007 14:08

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 5.04196
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

000852

034940

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a001.d
Report Date: 25-Nov-2006 12:03

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a001.d
Lab Smp Id: deg
Inj Date : 24-NOV-2006 16:43
Operator : tls Inst ID: gcsv17a.i
Smp Info : deg*1 65-34-6
Misc Info :
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 25-Nov-2006 12:02 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.139	9.131	0.008	7998769	1.63965	0.016
15 4,4'-DDD	9.825	9.820	0.005	11729249	2.98897	0.030
17 4,4'-DDT	10.218	10.211	0.007	265763039	78.4448	0.78
18 Endrin aldehyde	10.320	10.313	0.007	10461032	3.23361	0.032
21 Endrin ketone	11.402	11.398	0.004	17773923	4.33499	0.043
14 Endrin	9.735	9.729	0.006	309118144	80.0333	0.80

034941

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:

$$\frac{11729249 + 7998769}{11729249 + 7998769 + 265763039} \times 100 = 6.9\ \%$$

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:

$$\frac{17773923 + 10461032}{17773923 + 10461032 + 309118144} \times 100 = 8.4\ \%$$

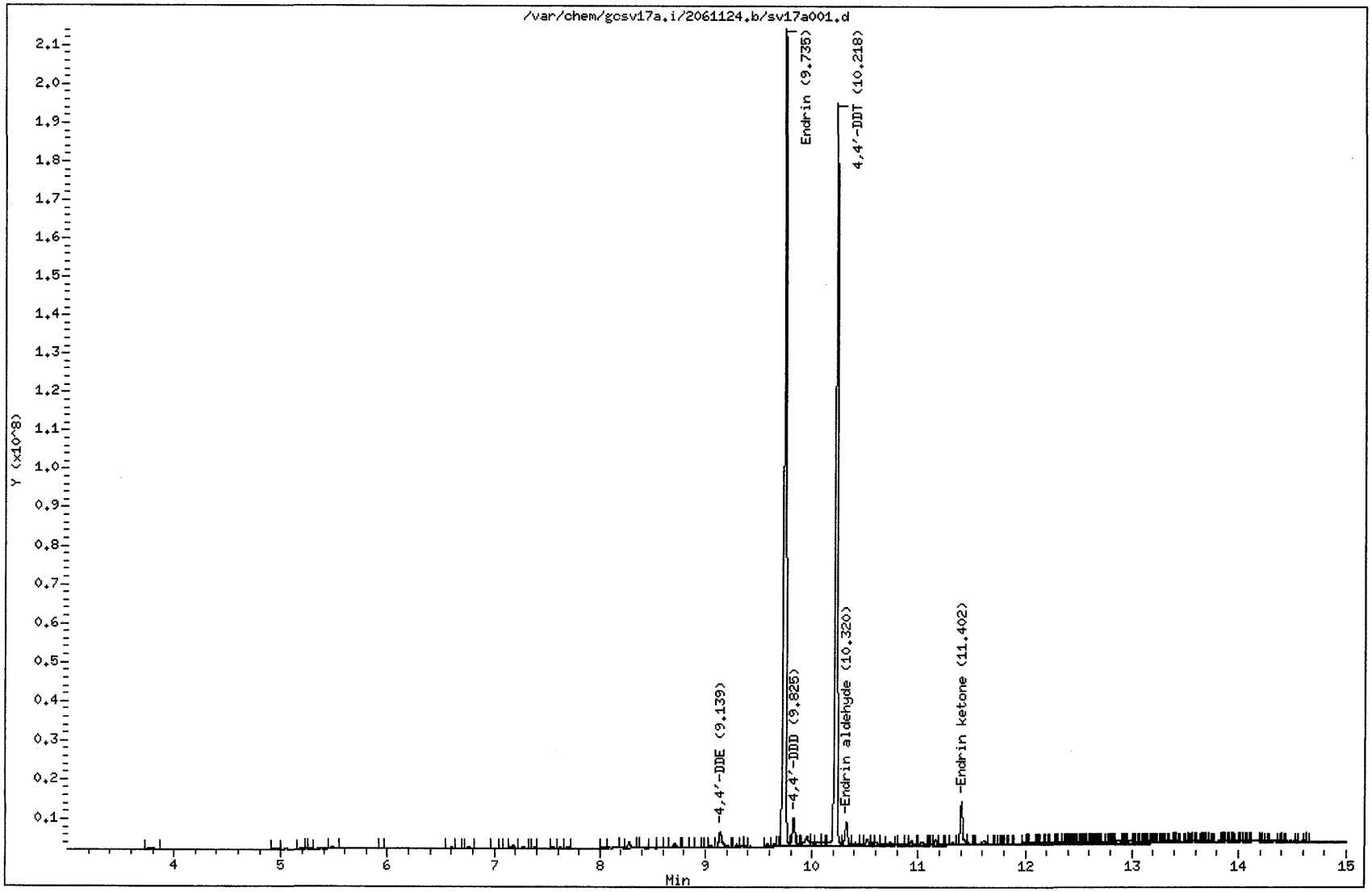
Endrin Breakdown Criteria: < 15%

034942

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a001.d
Date : 24-NOV-2006 16:43
Client ID:
Sample Info: deg*1 65-34-6
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000855



034943

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a002.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a002.d
Lab Smp Id: 1206
Inj Date : 24-NOV-2006 17:04
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1206*1 2.5
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:02 Cal File: sv17a019.d
Als bottle: 2 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	4.942	4.941	0.001	14722171	2.50000	3.0
2	alpha-BHC	6.063	6.061	0.002	18023479	2.50000	2.7
3	gamma-BHC (Lindane)	6.651	6.649	0.002	16011812	2.50000	2.9
6	beta-BHC	6.756	6.756	0.000	8688589	2.50000	3.4
4	Heptachlor	7.226	7.227	-0.001	13811925	2.50000	2.9
7	delta-BHC	7.271	7.269	0.002	15022501	2.50000	2.9
5	Aldrin	7.698	7.697	0.001	16238582	2.50000	2.9
8	Heptachlor epoxide	8.424	8.421	0.003	14105248	2.50000	3.0
10	gamma-Chlordane	8.676	8.677	-0.001	14570392	2.50000	3.0
11	alpha-Chlordane	8.874	8.871	0.003	13119286	2.50000	2.9
9	Endosulfan I	8.909	8.908	0.001	12713943	2.50000	2.9
12	4,4'-DDE	9.131	9.129	0.002	30686523	5.00000	6.3
13	Dieldrin	9.291	9.289	0.002	27686116	5.00000	5.6

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a002.d
Report Date: 01-Dec-2006 12:28

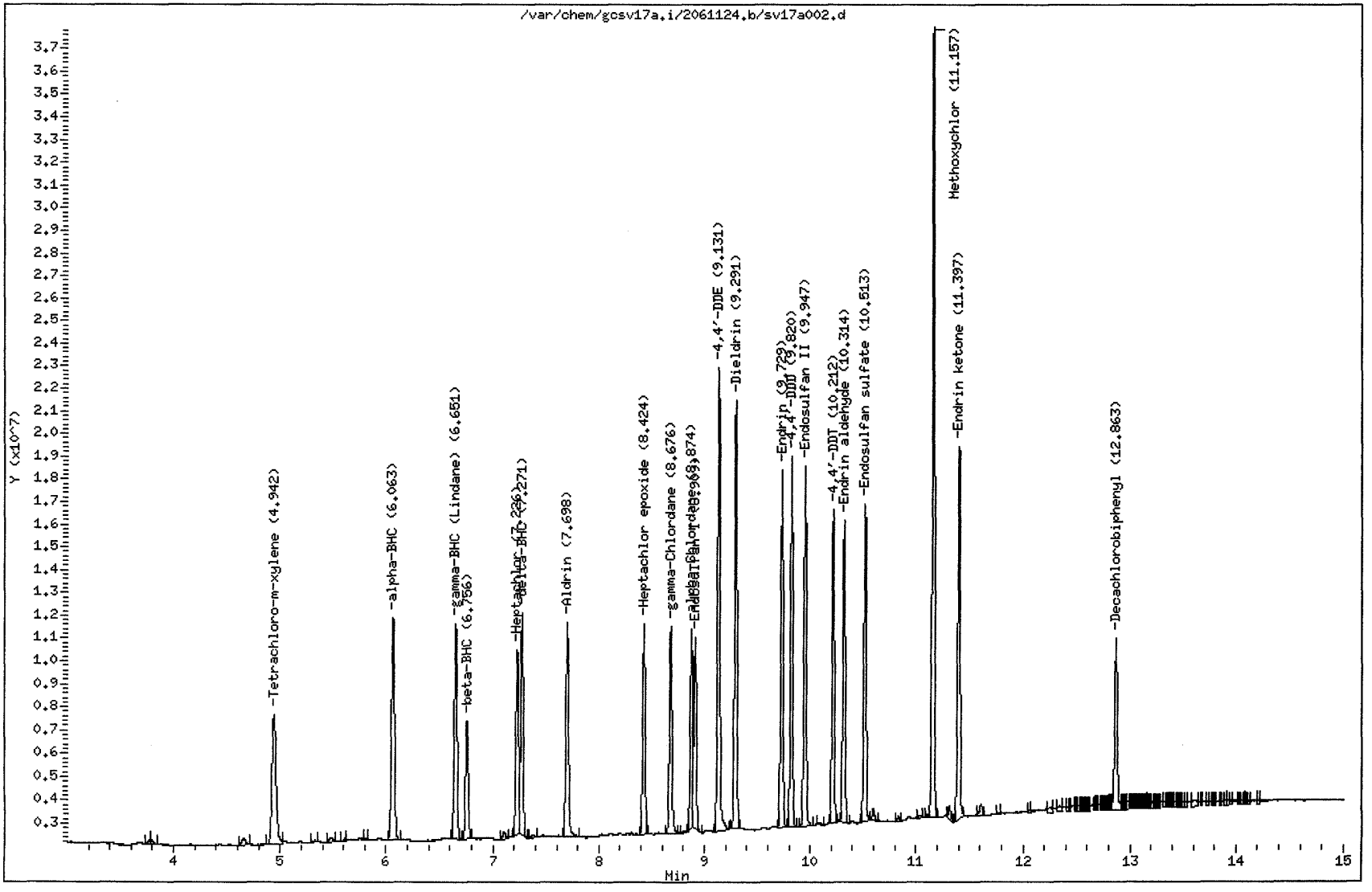
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.729	9.728	0.001	23077445	5.00000	6.0
15	4,4'-DDD	9.820	9.818	0.002	22059393	5.00000	5.6
16	Endosulfan II	9.947	9.947	0.000	23664836	5.00000	5.8
17	4,4'-DDT	10.212	10.210	0.002	18804217	5.00000	5.6
18	Endrin aldehyde	10.314	10.311	0.003	19471154	5.00000	6.0
20	Endosulfan sulfate	10.513	10.510	0.003	20233451	5.00000	6.0
19	Methoxychlor	11.157	11.157	0.000	46480740	25.0000	27
21	Endrin ketone	11.397	11.396	0.001	24535350	5.00000	6.0
$ 22	Decachlorobiphenyl	12.863	12.860	0.003	12931488	2.50000	3.6

034945

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a002.d
Date : 24-NOV-2006 17:04
Client ID:
Sample Info: 1206%1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000858



Data File: /var/chem/gcsv17a.i/2061124.b/sv17a003.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a003.d
Lab Smp Id: 1201
Inj Date : 24-NOV-2006 17:25
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1201*1 5
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:23 Cal File: sv17a020.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.943	4.941	0.002	25444614	5.00000	5.2
2	alpha-BHC	6.064	6.061	0.003	31926388	5.00000	4.9
3	gamma-BHC (Lindane)	6.650	6.649	0.001	28068908	5.00000	5.0
6	beta-BHC	6.755	6.756	-0.001	14392204	5.00000	5.6
4	Heptachlor	7.227	7.227	0.000	24044067	5.00000	5.1
7	delta-BHC	7.270	7.269	0.001	26380289	5.00000	5.0
5	Aldrin	7.698	7.697	0.001	28051260	5.00000	5.1
8	Heptachlor epoxide	8.425	8.421	0.004	24182626	5.00000	5.1
10	gamma-Chlordane	8.677	8.677	0.000	25079104	5.00000	5.1
11	alpha-Chlordane	8.874	8.871	0.003	22882922	5.00000	5.1
9	Endosulfan I	8.910	8.908	0.002	22120284	5.00000	5.0
12	4,4'-DDE	9.130	9.129	0.001	51030469	10.0000	10
13	Dieldrin	9.291	9.289	0.002	48787175	10.0000	9.8

034947

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a003.d
Report Date: 01-Dec-2006 12:28

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.729	9.728	0.001	38818166	10.0000	10
15 4,4'-DDD	9.820	9.818	0.002	38626419	10.0000	9.8
16 Endosulfan II	9.948	9.947	0.001	40801569	10.0000	10
17 4,4'-DDT	10.212	10.210	0.002	32187152	10.0000	9.5
18 Endrin aldehyde	10.315	10.311	0.004	33043958	10.0000	10
20 Endosulfan sulfate	10.513	10.510	0.003	34574804	10.0000	10
19 Methoxychlor	11.157	11.157	0.000	82194733	50.0000	47
21 Endrin ketone	11.397	11.396	0.001	41766415	10.0000	10
$ 22 Decachlorobiphenyl	12.863	12.860	0.003	20902758	5.00000	5.8

030880

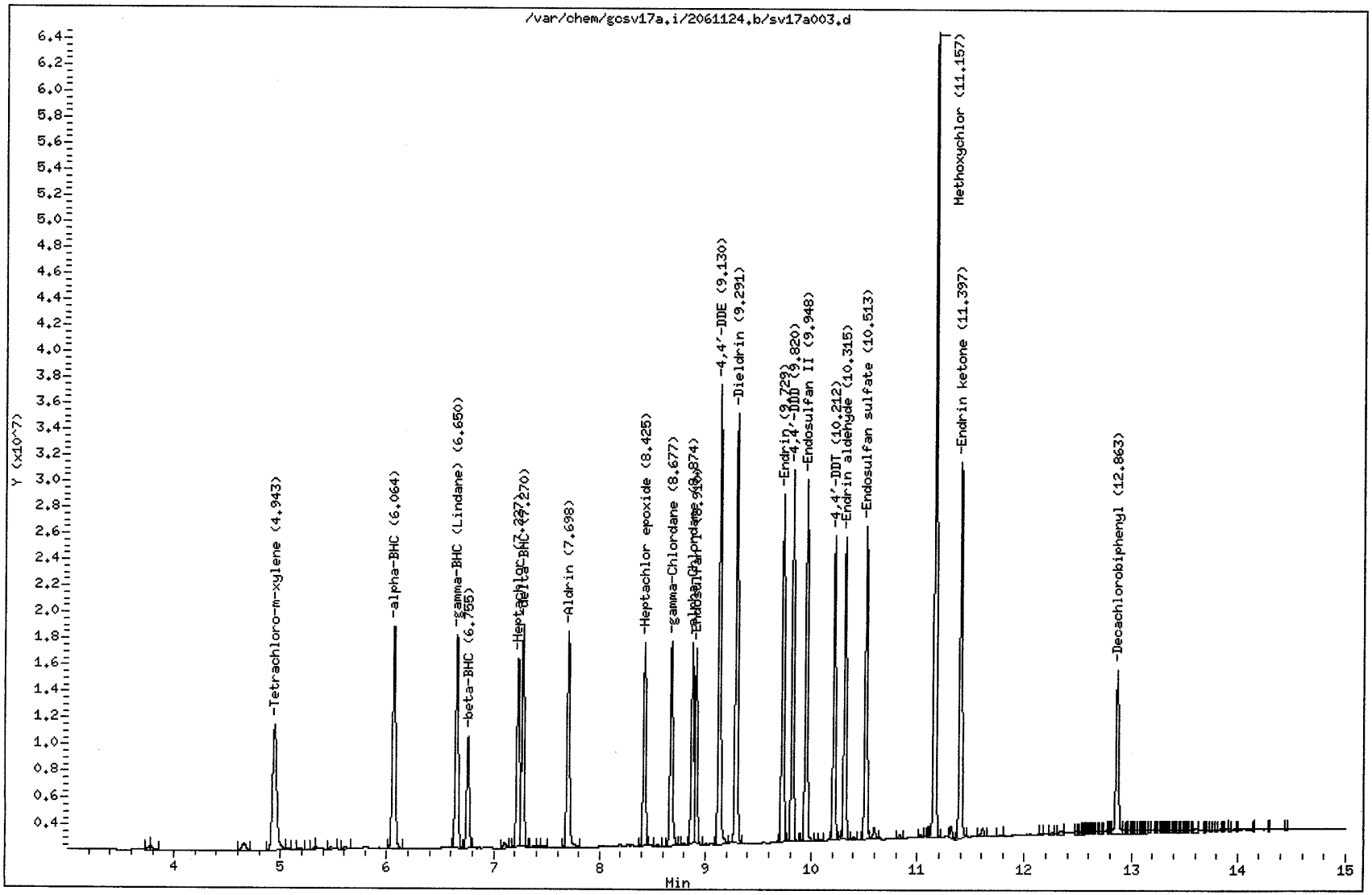
034948

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a003.d
Date : 24-NOV-2006 17:25
Client ID:
Sample Info: 1201x1 5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i

Operator: tls
Column diameter: 0.32

000861



034949

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a004.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a004.d
Lab Smp Id: 1202
Inj Date : 24-NOV-2006 17:46
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1202*1 20
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:44 Cal File: sv17a021.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

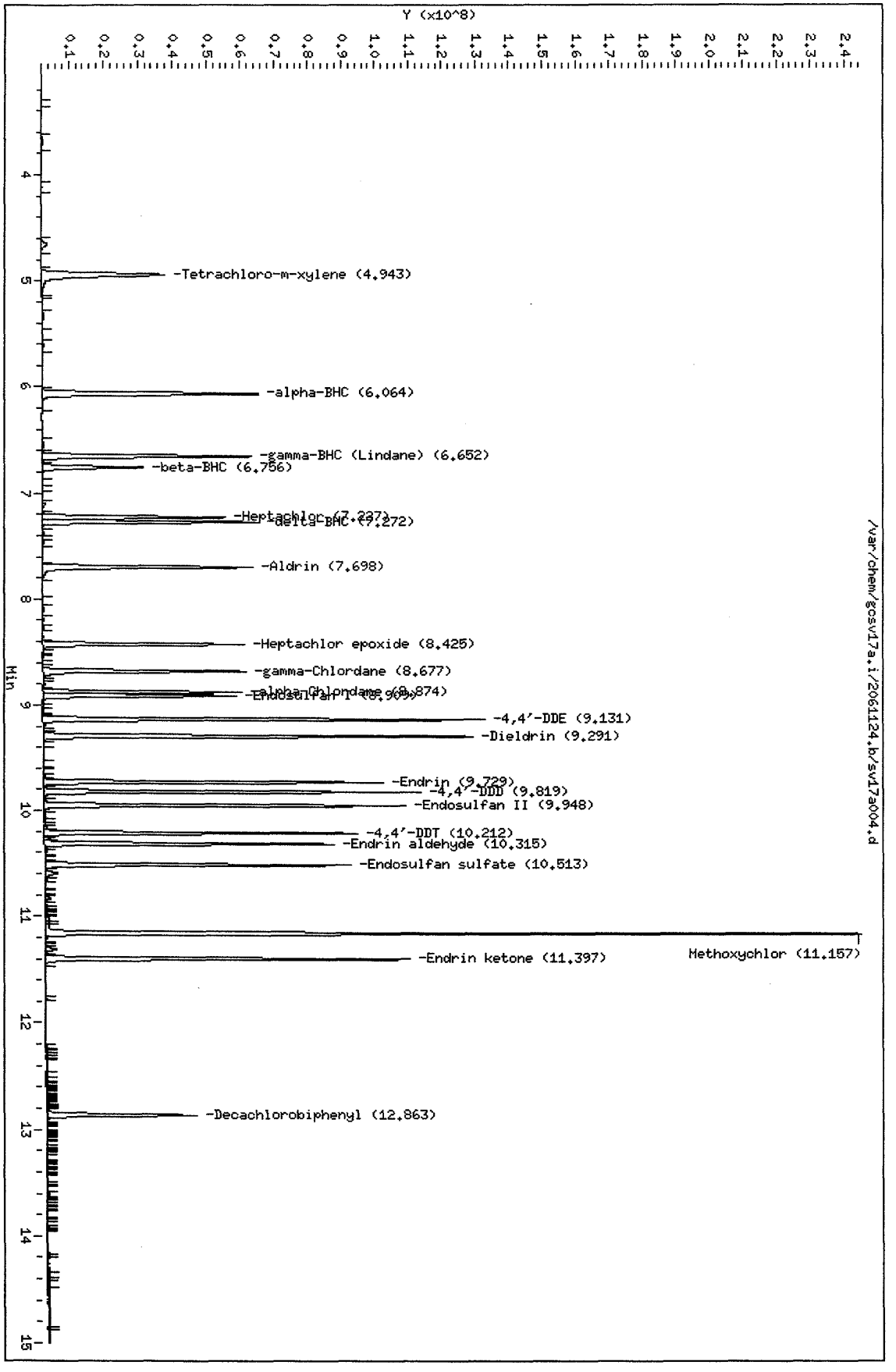
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.943	4.941	0.002	98243301	20.0000	20
2	alpha-BHC	6.064	6.061	0.003	125957302	20.0000	19
3	gamma-BHC (Lindane)	6.652	6.649	0.003	108583998	20.0000	20
6	beta-BHC	6.756	6.756	0.000	50762953	20.0000	20
4	Heptachlor	7.227	7.227	0.000	90963075	20.0000	19
7	delta-BHC	7.272	7.269	0.003	101105549	20.0000	19
5	Aldrin	7.698	7.697	0.001	108320529	20.0000	20
8	Heptachlor epoxide	8.425	8.421	0.004	91974313	20.0000	19
10	gamma-Chlordane	8.677	8.677	0.000	95243346	20.0000	20
11	alpha-Chlordane	8.874	8.871	0.003	86604459	20.0000	19
9	Endosulfan I	8.909	8.908	0.001	86822363	20.0000	20
12	4,4'-DDE	9.131	9.129	0.002	189002299	40.0000	39
13	Dieldrin	9.291	9.289	0.002	191743830	40.0000	39

034950

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a004.d
Report Date: 01-Dec-2006 12:28

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.729	9.728	0.001	147271776	40.0000	38
15	4,4'-DDD	9.819	9.818	0.001	150698254	40.0000	38
16	Endosulfan II	9.948	9.947	0.001	156398044	40.0000	38
17	4,4'-DDT	10.212	10.210	0.002	125955499	40.0000	37
18	Endrin aldehyde	10.315	10.311	0.004	124098590	40.0000	38
20	Endosulfan sulfate	10.513	10.510	0.003	128211744	40.0000	38
19	Methoxychlor	11.157	11.157	0.000	323077460	200.000	190
21	Endrin ketone	11.397	11.396	0.001	156272644	40.0000	38
$ 22	Decachlorobiphenyl	12.863	12.860	0.003	70416947	20.0000	19



000864

034952

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a005.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a005.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 18:07
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1203*1 60
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17a022.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.944	4.942	0.002	294033124	60.0000	60
2	alpha-BHC	6.064	6.063	0.001	390088226	60.0000	59
3	gamma-BHC (Lindane)	6.650	6.650	0.000	335934892	60.0000	60
6	beta-BHC	6.756	6.757	-0.001	150641383	60.0000	58
4	Heptachlor	7.227	7.228	-0.001	287874950	60.0000	61
7	delta-BHC	7.271	7.271	0.000	318167844	60.0000	61
5	Aldrin	7.698	7.699	-0.001	331053586	60.0000	60
8	Heptachlor epoxide	8.424	8.423	0.001	285083702	60.0000	60
10	gamma-Chlordane	8.677	8.678	-0.001	292056940	60.0000	60
11	alpha-Chlordane	8.874	8.872	0.002	268604754	60.0000	60
9	Endosulfan I	8.909	8.909	0.000	268131618	60.0000	60
12	4,4'-DDE	9.131	9.131	0.000	583392973	120.000	120
13	Dieldrin	9.290	9.290	0.000	604056049	120.000	120

000865

034953

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a005.d
Report Date: 01-Dec-2006 12:28

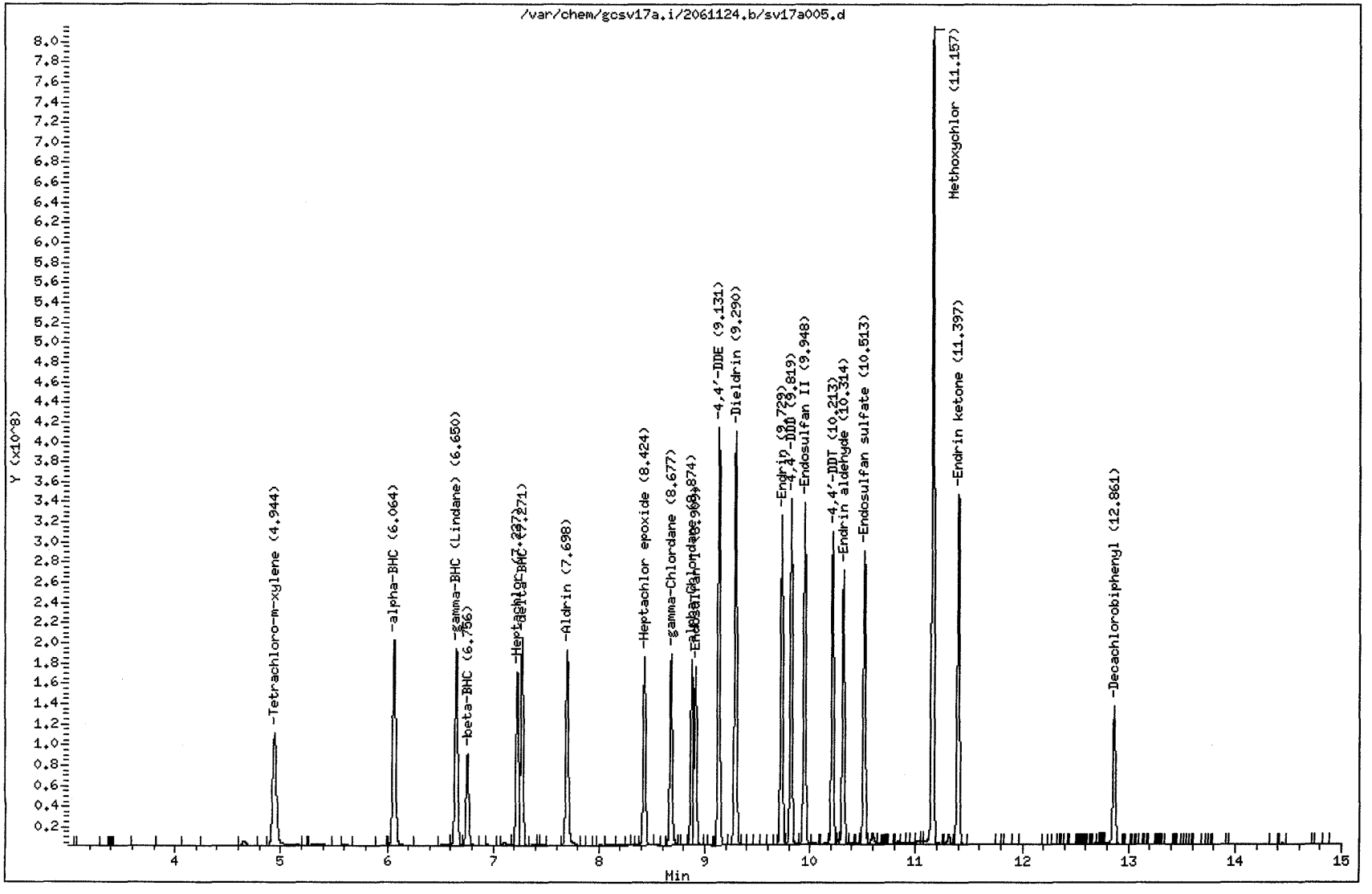
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.729	9.729	0.000	470557872	120.000	120
15	4,4'-DDD	9.819	9.820	-0.001	477899797	120.000	120
16	Endosulfan II	9.948	9.948	0.000	494710116	120.000	120
17	4,4'-DDT	10.213	10.212	0.001	423586700	120.000	130
18	Endrin aldehyde	10.314	10.313	0.001	389642721	120.000	120
20	Endosulfan sulfate	10.513	10.512	0.001	411521282	120.000	120
19	Methoxychlor	11.157	11.158	-0.001	1094640672	600.000	630
21	Endrin ketone	11.397	11.398	-0.001	495885621	120.000	120
$ 22	Decachlorobiphenyl	12.861	12.861	0.000	210943596	60.0000	58

034954

000857

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a005.d
Date : 24-NOV-2006 18:07
Client ID:
Sample Info: 1203%1 60
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv17a.i/2061124.b/sv17a006.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a006.d
Lab Smp Id: 1204
Inj Date : 24-NOV-2006 18:28
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1204*1 80
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17a023.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.942	4.942	0.000	387577537	80.0000	79
2	alpha-BHC	6.065	6.063	0.002	518447967	80.0000	79
3	gamma-BHC (Lindane)	6.651	6.651	0.000	444541375	80.0000	80
6	beta-BHC	6.755	6.757	-0.002	198339955	80.0000	77
4	Heptachlor	7.227	7.228	-0.001	376885904	80.0000	80
7	delta-BHC	7.271	7.271	0.000	418447365	80.0000	80
5	Aldrin	7.698	7.699	-0.001	438883734	80.0000	80
8	Heptachlor epoxide	8.425	8.423	0.002	378108830	80.0000	80
10	gamma-Chlordane	8.676	8.678	-0.002	388132211	80.0000	80
11	alpha-Chlordane	8.874	8.873	0.001	354172065	80.0000	79
9	Endosulfan I	8.909	8.909	0.000	357918125	80.0000	81
12	4,4'-DDE	9.131	9.131	0.000	771690145	160.000	160
13	Dieldrin	9.291	9.291	0.000	805787612	160.000	160

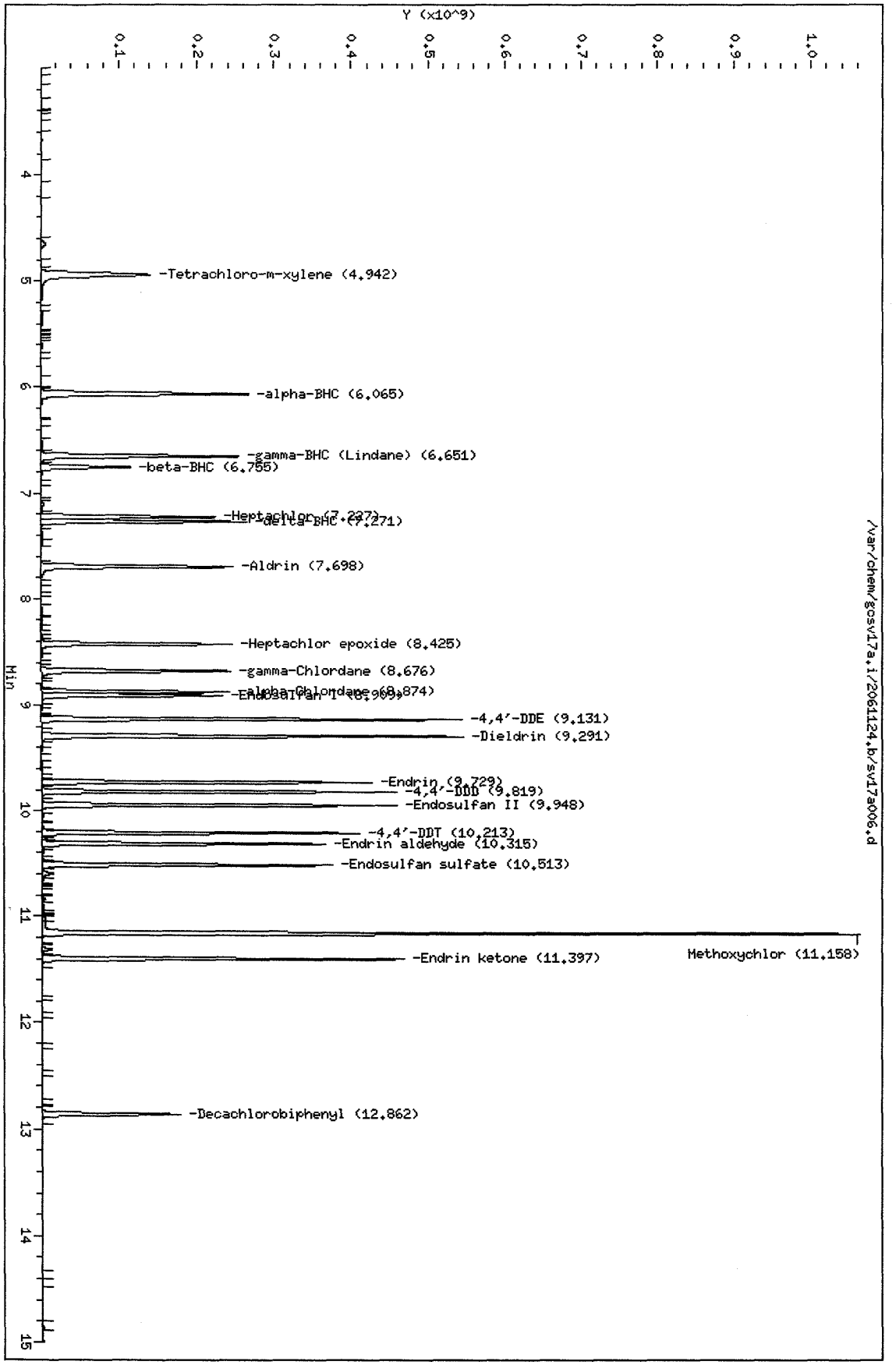
000368

034956

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a006.d
Report Date: 01-Dec-2006 12:28

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.729	9.729	0.000	618442924	160.000	160
15 4,4'-DDD	9.819	9.819	0.000	633517723	160.000	160
16 Endosulfan II	9.948	9.948	0.000	658272319	160.000	160
17 4,4'-DDT	10.213	10.212	0.001	555210170	160.000	160
18 Endrin aldehyde	10.315	10.313	0.002	516576562	160.000	160
20 Endosulfan sulfate	10.513	10.512	0.001	536527111	160.000	160
19 Methoxychlor	11.158	11.158	0.000	1440836907	800.000	830
21 Endrin ketone	11.397	11.398	-0.001	655301791	160.000	160
$ 22 Decachlorobiphenyl	12.862	12.862	0.000	272615064	80.0000	75

034957



000870

034958

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a007.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a007.d
Lab Smp Id: 1205
Inj Date : 24-NOV-2006 18:49
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1205*1 65-37-2
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.943	4.942	0.001	469058178	100.000	96
2	alpha-BHC	6.064	6.063	0.001	654326950	100.000	100
3	gamma-BHC (Lindane)	6.651	6.651	0.000	561167168	100.000	100 (A)
6	beta-BHC	6.756	6.757	-0.001	249994293	100.000	97
4	Heptachlor	7.228	7.228	0.000	477818359	100.000	100 (A)
7	delta-BHC	7.271	7.271	0.000	531028472	100.000	100 (A)
5	Aldrin	7.698	7.698	0.000	550603371	100.000	100
8	Heptachlor epoxide	8.424	8.423	0.001	477525234	100.000	100 (A)
10	gamma-Chlordane	8.678	8.678	0.000	489393878	100.000	100 (A)
11	alpha-Chlordane	8.873	8.873	0.000	451508684	100.000	100 (A)
9	Endosulfan I	8.909	8.909	0.000	449031382	100.000	100 (A)
12	4,4'-DDE	9.131	9.131	0.000	975789341	200.000	200 (A)
13	Dieldrin	9.291	9.291	0.000	1021796490	200.000	210 (A)

034959

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a007.d
Report Date: 01-Dec-2006 12:28

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.729	9.729	0.000	792332070	200.000	210 (A)
15 4,4'-DDD	9.819	9.819	0.000	809765199	200.000	210 (A)
16 Endosulfan II	9.948	9.948	0.000	840228474	200.000	210 (A)
17 4,4'-DDT	10.213	10.212	0.001	714388611	200.000	210 (A)
18 Endrin aldehyde	10.314	10.313	0.001	658600184	200.000	200 (A)
20 Endosulfan sulfate	10.513	10.512	0.001	688222348	200.000	200 (A)
19 Methoxychlor	11.158	11.158	0.000	1829129207	1000.00	1000 (AM1)
21 Endrin ketone	11.397	11.398	-0.001	837808085	200.000	200 (A)
$ 22 Decachlorobiphenyl	12.862	12.862	0.000	351655368	100.000	97

QC Flag Legend

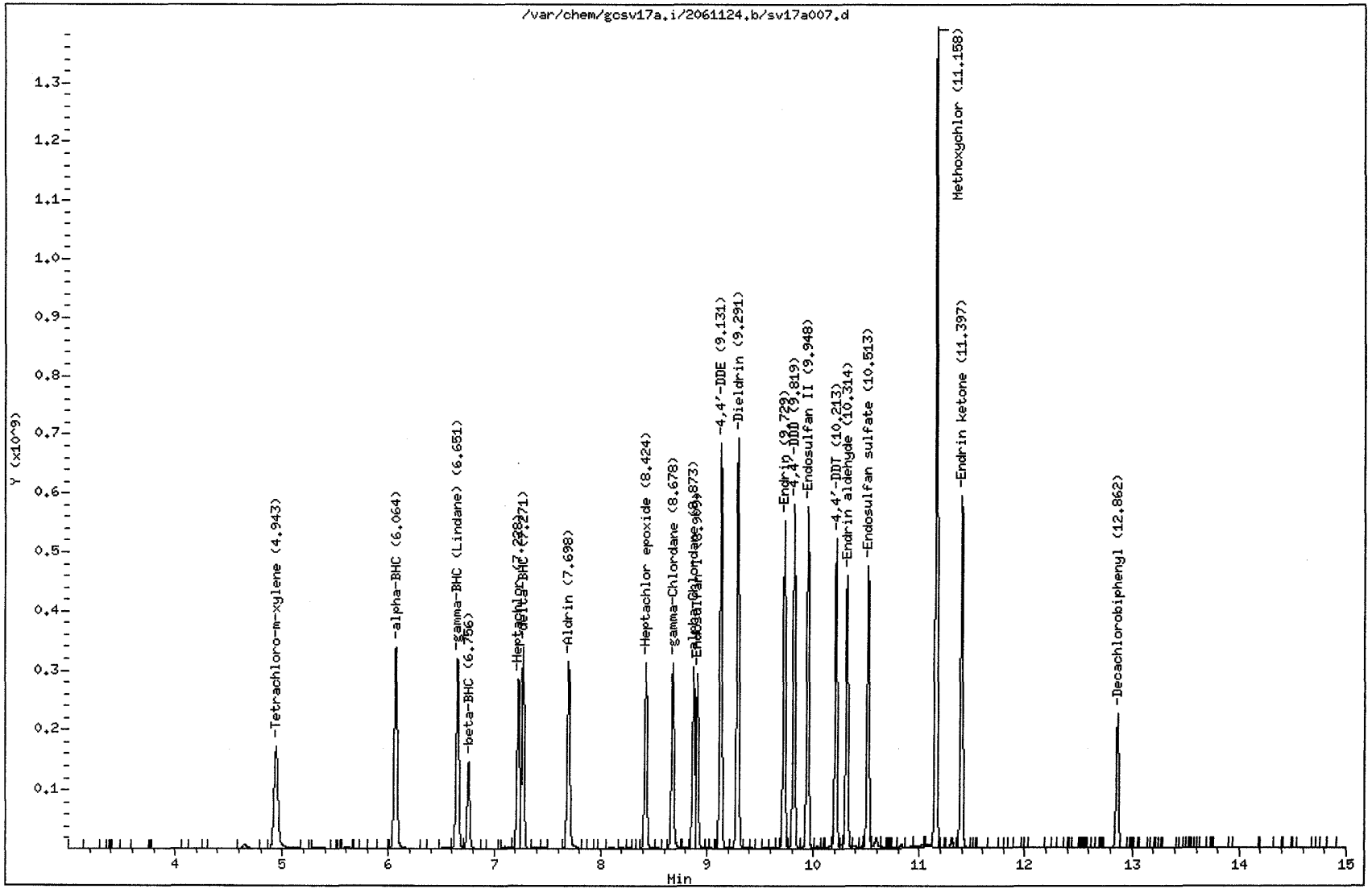
A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.

034960

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a007.d
Date : 24-NOV-2006 18:49
Client ID:
Sample Info: 1205x1 65-37-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000873



Data File: /var/chem/gcsv17a.i/2061124.b/sv17a009.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a009.d
Lab Smp Id: 1205
Inj Date : 24-NOV-2006 19:31
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1205*1 65-29-3
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 9 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

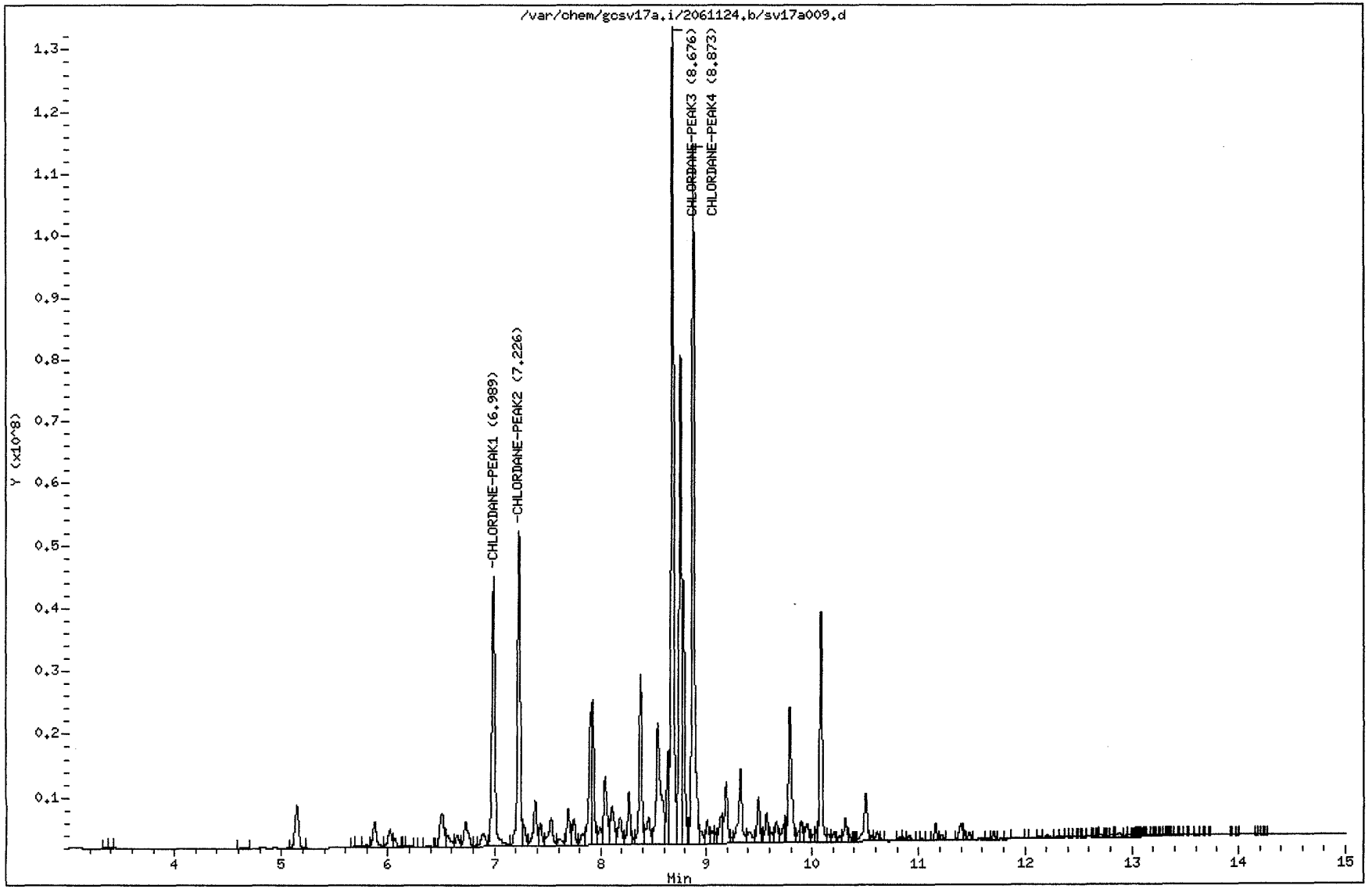
						AMOUNTS	
						CAL-AMT	ON-COL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	68 CHLORDANE-AVG				574200336	400.000	400
	69 CHLORDANE-PEAK1	6.989	6.989	0.000	84530952	400.000	400
	70 CHLORDANE-PEAK2	7.226	7.227	-0.001	91327356	400.000	400
	71 CHLORDANE-PEAK3	8.676	8.677	-0.001	211431834	400.000	400
	72 CHLORDANE-PEAK4	8.873	8.872	0.001	186910194	400.000	400

034962

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a009.d
Date : 24-NOV-2006 19:31
Client ID:
Sample Info: 1205*1 65-29-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000875



034963

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a010.d
Report Date: 25-Nov-2006 12:02

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a010.d
Lab Smp Id: 1201
Inj Date : 24-NOV-2006 19:52
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1201*1 65-28-4
Misc Info :
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 25-Nov-2006 12:02 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 19:52 Cal File: sv17a010.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)	
M	62 TOXAPHENE-AVG				117409491	250.000		(a)
	63 TOXAPHENE-PEAK1	10.037	10.038	-0.001	31564586	250.000		(a)
	64 TOXAPHENE-PEAK2	10.601	10.600	0.001	38315782	250.000		(a)
	65 TOXAPHENE-PEAK3	11.503	11.502	0.001	24789730	250.000		(a)
	66 TOXAPHENE-PEAK4	11.743	11.742	0.001	22739393	250.000		(a)

QC Flag Legend

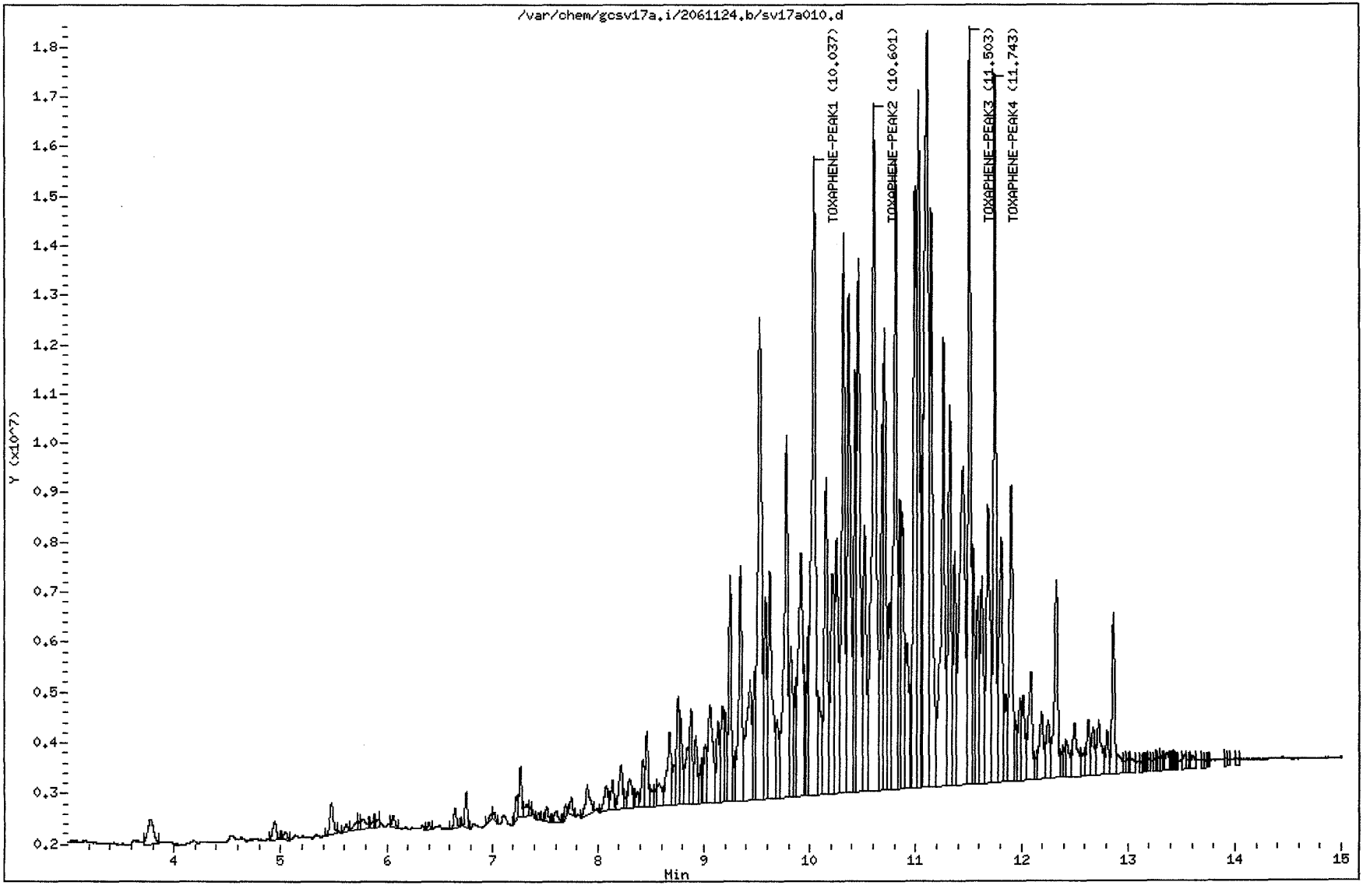
a - Target compound detected but, quantitated amount
Below Limit Of Quantitation(BLOQ).

000876

034964

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a010.d
Date : 24-NOV-2006 19:52
Client ID:
Sample Info: 1201*1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



034965

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a011.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a011.d
Lab Smp Id: 1205
Inj Date : 24-NOV-2006 20:13
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1205*1 65-28-4
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

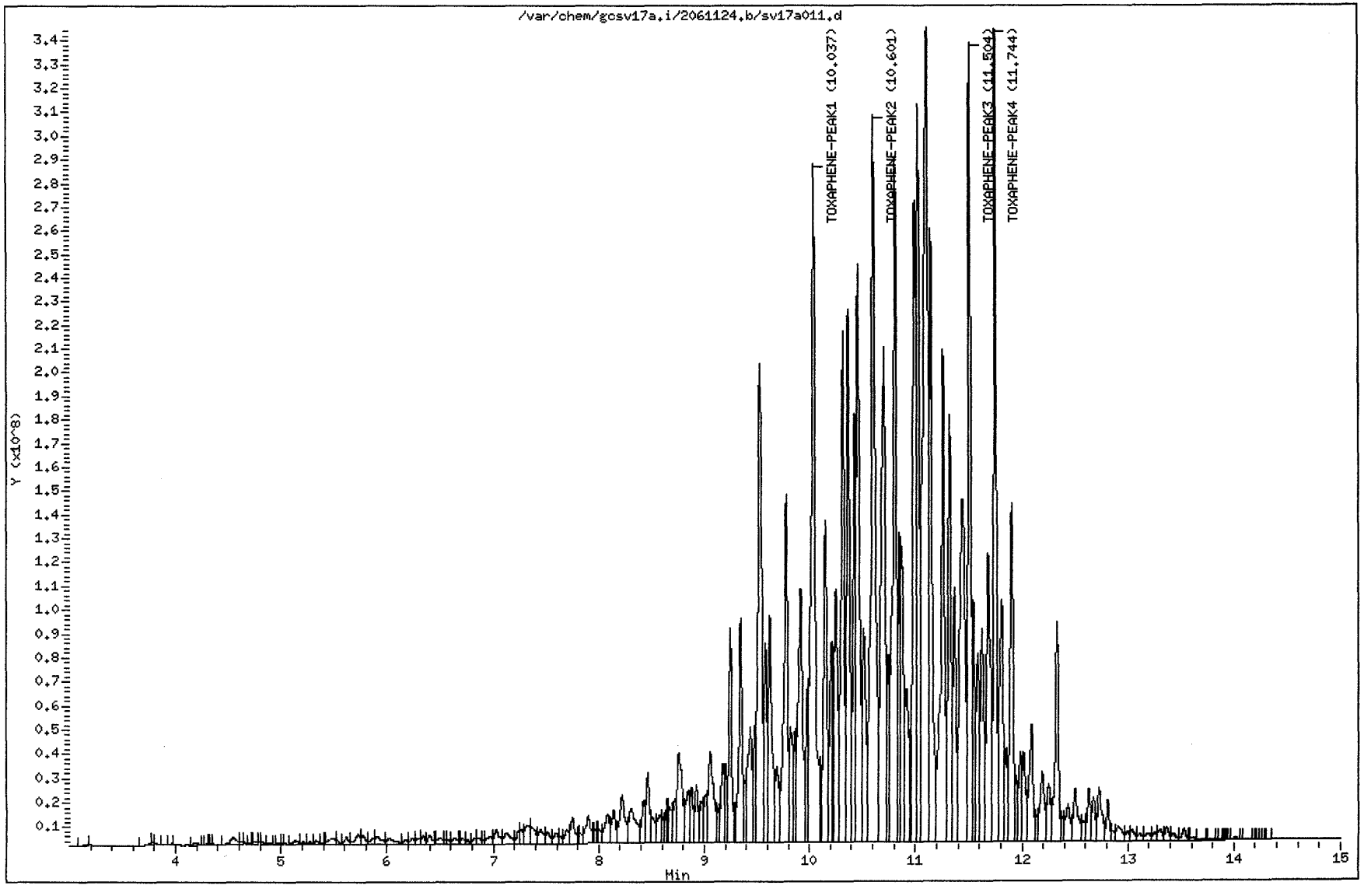
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	62 TOXAPHENE-AVG				2655568839	5000.00	5000
	63 TOXAPHENE-PEAK1	10.037	10.038	-0.001	727846379	5000.00	5000
	64 TOXAPHENE-PEAK2	10.601	10.601	0.000	842939856	5000.00	5000
	65 TOXAPHENE-PEAK3	11.504	11.502	0.002	551298913	5000.00	5000
	66 TOXAPHENE-PEAK4	11.744	11.742	0.002	533483691	5000.00	5000

034966

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a011.d
Date : 24-NOV-2006 20:13
Client ID:
Sample Info: 1205*1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000879



034967

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a008.d
Report Date: 25-Nov-2006 12:02

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2061124
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/gcsv17a.i/2061124.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	56	93.66	85-115
3 gamma-BHC (Lindane)	60	58	95.97	85-115
6 beta-BHC	60	56	93.91	85-115
4 Heptachlor	60	56	92.84	85-115
7 delta-BHC	60	57	94.41	85-115
5 Aldrin	60	57	94.38	85-115
8 Heptachlor epoxide	60	57	94.82	85-115
10 gamma-Chlordane	60	57	95.34	85-115
11 alpha-Chlordane	60	58	97.24	85-115
9 Endosulfan I	60	55	92.36	85-115
12 4,4'-DDE	60	56	93.28	85-115
13 Dieldrin	60	57	94.72	85-115
14 Endrin	60	56	93.38	85-115
15 4,4'-DDD	60	58	96.29	85-115
16 Endosulfan II	60	56	92.91	85-115
17 4,4'-DDT	60	55	91.05	85-115
18 Endrin aldehyde	60	57	94.38	85-115
20 Endosulfan sulfate	60	57	95.34	85-115
19 Methoxychlor	60	58	97.48	85-115
21 Endrin ketone	60	57	95.33	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

000880

034968

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a008.d
Report Date: 25-Nov-2006 12:02

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a008.d
Lab Smp Id: 1600
Inj Date : 24-NOV-2006 19:10
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1600*1 65-35-7
Misc Info :
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 25-Nov-2006 12:02 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 18:49 Cal File: sv17a007.d
Als bottle: 8 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	6.063	6.062	0.001	369199176	56.1977	56
3	gamma-BHC (Lindane)	6.651	6.650	0.001	320282327	57.5833	58
6	beta-BHC	6.756	6.758	-0.002	145442509	56.3448	56
4	Heptachlor	7.227	7.228	-0.001	263427753	55.7068	56
7	delta-BHC	7.271	7.271	0.000	296532017	56.6441	57
5	Aldrin	7.697	7.699	-0.002	311873072	56.6302	57
8	Heptachlor epoxide	8.423	8.423	0.000	269521335	56.8892	57
10	gamma-Chlordane	8.677	8.678	-0.001	279056423	57.2043	57
11	alpha-Chlordane	8.873	8.872	0.001	260520580	58.3452	58
9	Endosulfan I	8.908	8.910	-0.002	246038084	55.4182	55
12	4,4'-DDE	9.130	9.131	-0.001	273018832	55.9655	56
13	Dieldrin	9.290	9.290	0.000	282470999	56.8323	57
14	Endrin	9.727	9.729	-0.002	216397571	56.0271	56

034969

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a008.d
Report Date: 25-Nov-2006 12:02

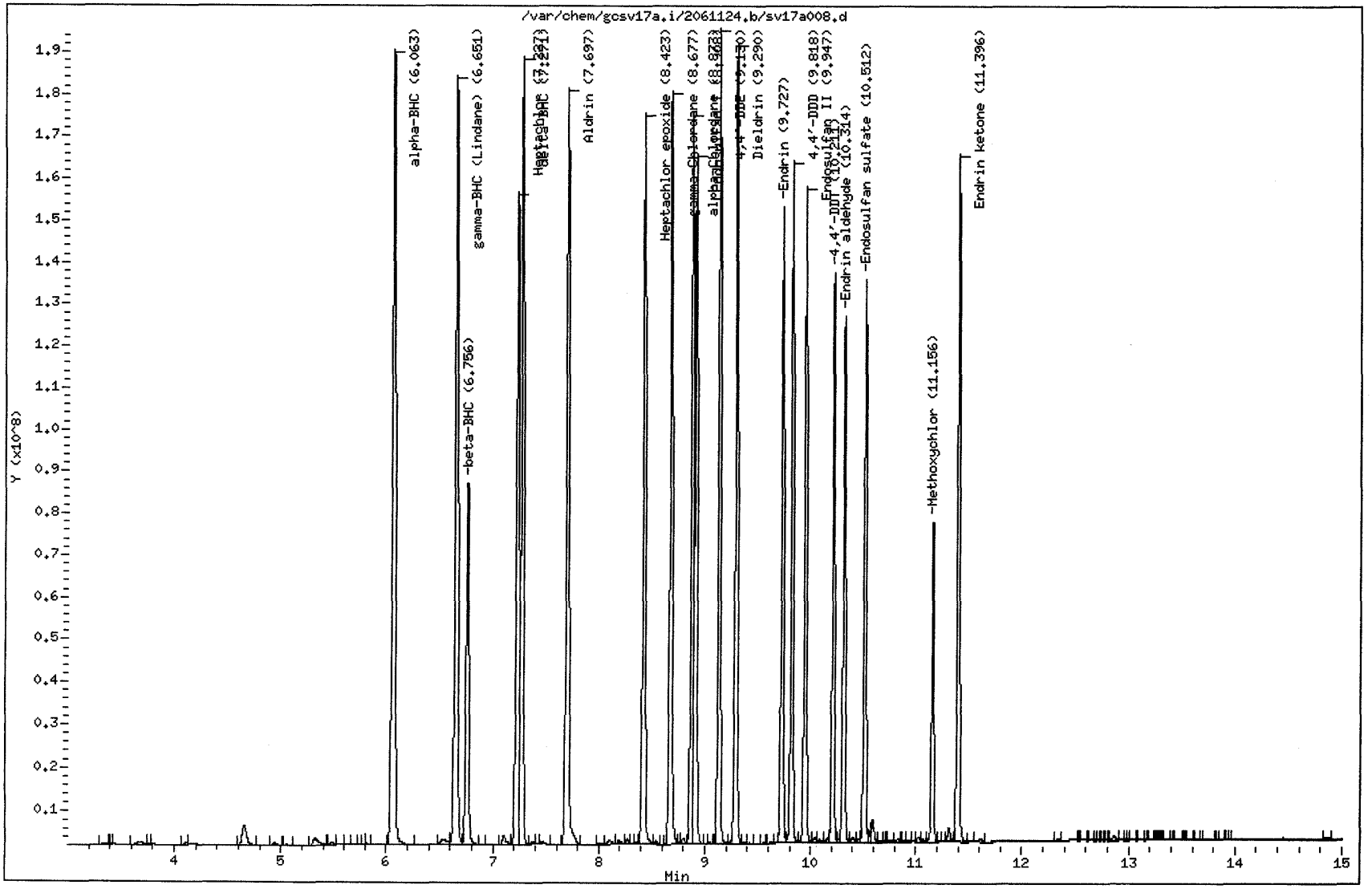
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
15 4,4'-DDD	9.818	9.820	-0.002	226725417	57.7765	58
16 Endosulfan II	9.947	9.949	-0.002	227764436	55.7480	56
17 4,4'-DDT	10.211	10.211	0.000	185088818	54.6323	55
18 Endrin aldehyde	10.314	10.313	0.001	183188710	56.6254	57
20 Endosulfan sulfate	10.512	10.512	0.000	193193774	57.2035	57
19 Methoxychlor	11.156	11.158	-0.002	101933318	58.4892	58
21 Endrin ketone	11.396	11.398	-0.002	234516708	57.1978	57

034970

000383

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a008.d
Date : 24-NOV-2006 19:10
Client ID:
Sample Info: 1600*1 65-35-7
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a001.d
Report Date: 08-Jan-2007 08:07

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a001.d
Lab Smp Id: deg
Inj Date : 04-JAN-2007 12:42
Operator : tls Inst ID: gcsv17a.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 07:52 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.089	9.100	-0.011	10813280	2.21659	0.022
15 4,4'-DDD	9.775	9.788	-0.013	67742736	17.2629	0.17
17 4,4'-DDT	10.168	10.168	0.000	1176992370	347.411	3.5(A)
18 Endrin aldehyde	10.267	10.281	-0.014	23311108	7.20569	0.072
21 Endrin ketone	11.347	11.360	-0.013	38636043	9.42319	0.094
14 Endrin	9.682	9.691	-0.009	1325386154	343.154	3.4(A)

QC Flag Legend

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

000384

034972

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

$$\frac{67742736 + 10813280}{67742736 + 10813280 + 1176992370} \times 100 = 6.3\ \%$$

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

$$\frac{38636043 + 23311108}{38636043 + 23311108 + 1325386154} \times 100 = 4.5\ \%$$

Endrin Breakdown: Criteria

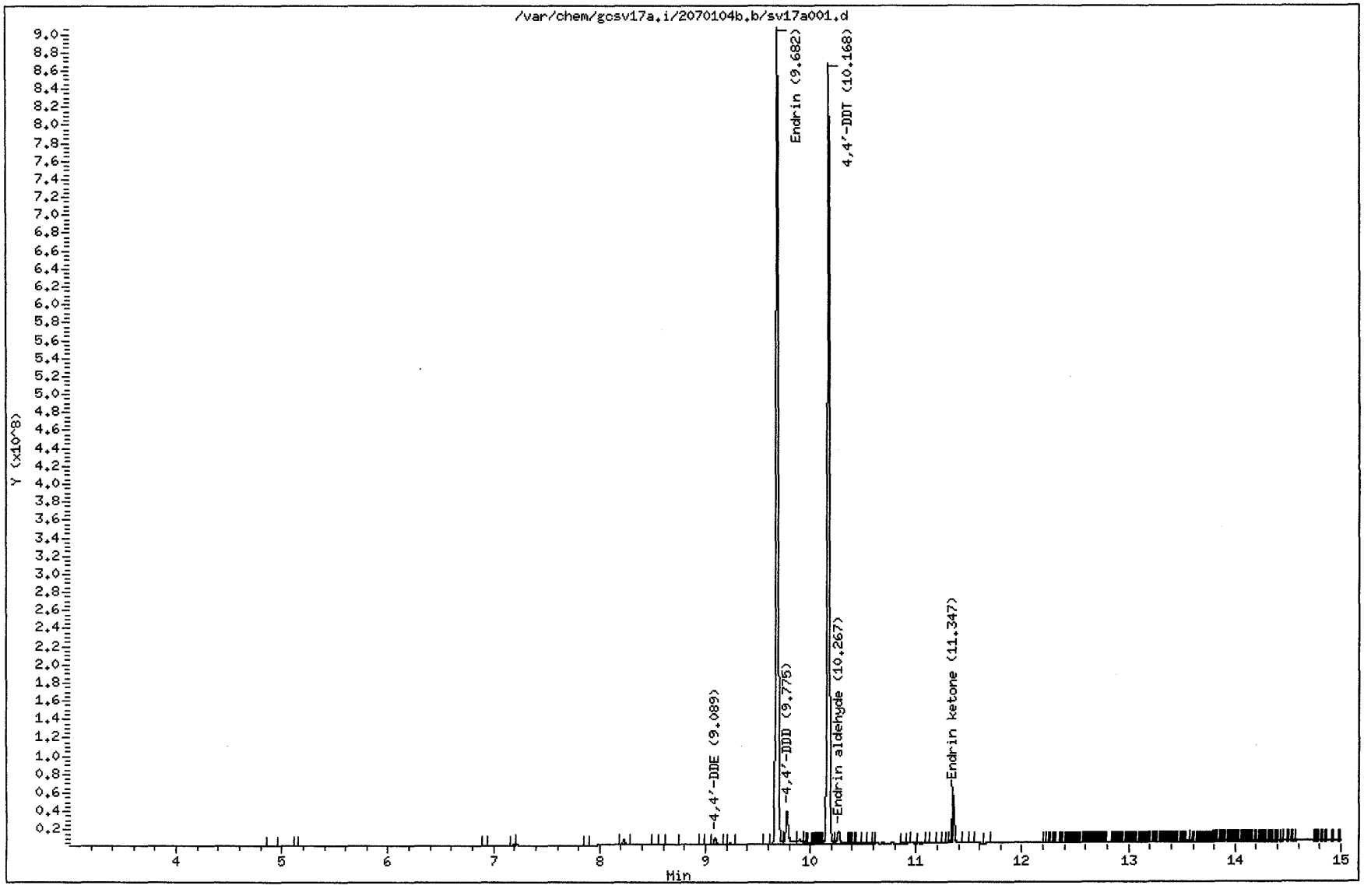
< 15%

034973

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a001.d
Date : 04-JAN-2007 12:42
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000386



034974

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a002.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17a.i Injection Date: 04-JAN-2007 13:04
Lab File ID: sv17a002.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:04 00:47
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	4887388	4541521	0.010	7.07674	15.00000	Averaged
2 alpha-BHC	6569646	6743729	0.010	-2.64982	15.00000	Averaged
3 gamma-BHC (Lindane)	5562067	5730009	0.010	-3.01942	15.00000	Averaged
4 Heptachlor	4728828	4594891	0.010	2.83236	15.00000	Averaged
5 Aldrin	5507184	5426075	0.010	1.47278	15.00000	Averaged
6 beta-BHC	2581294	2565300	0.010	0.61961	15.00000	Averaged
7 delta-BHC	5235002	5592885	0.010	-6.83635	15.00000	Averaged
8 Heptachlor epoxide	4737650	4887346	0.010	-3.15971	15.00000	Averaged
9 Endosulfan I	4439665	4662006	0.010	-5.00806	15.00000	Averaged
10 gamma-Chlordane	4878239	4926677	0.010	-0.99293	15.00000	Averaged
11 alpha-Chlordane	4465158	4473169	0.010	-0.17942	15.00000	Averaged
12 4,4'-DDE	4878345	4881936	0.010	-0.07362	15.00000	Averaged
13 Dieldrin	4970254	5073793	0.010	-2.08317	15.00000	Averaged
14 Endrin	3862371	4048838	0.010	-4.82779	15.00000	Averaged
15 4,4'-DDD	3924182	4142230	0.010	-5.55653	15.00000	Averaged
16 Endosulfan II	4085607	4289993	0.010	-5.00257	15.00000	Averaged
17 4,4'-DDT	3387900	3439819	0.010	-1.53250	15.00000	Averaged
18 Endrin aldehyde	3235098	3205874	0.010	0.90333	15.00000	Averaged
19 Methoxychlor	1742772	1812967	0.010	-4.02782	15.00000	Averaged
20 Endosulfan sulfate	3377305	3769845	0.010	-11.62287	15.00000	Averaged
21 Endrin ketone	4100103	4529983	0.010	-10.48461	15.00000	Averaged
$ 22 Decachlorobiphenyl	3628274	3810854	0.010	-5.03215	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.86337
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

000387

034975

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a002.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a002.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2007 13:04
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10830~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:21 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

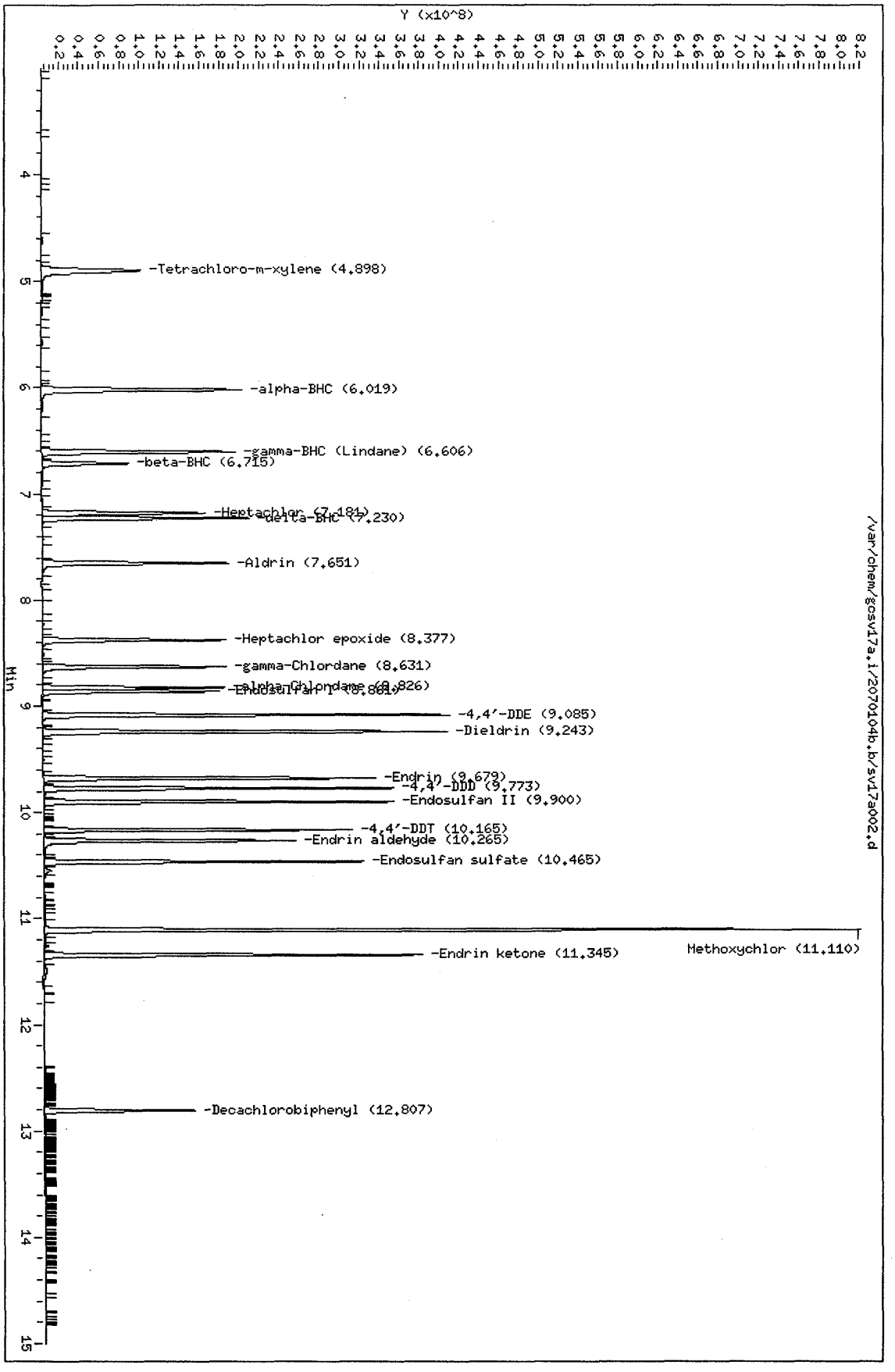
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.898	4.903	-0.005	272491237	60.0000	56
2	alpha-BHC	6.019	6.023	-0.004	404623747	60.0000	62
3	gamma-BHC (Lindane)	6.606	6.609	-0.003	343800538	60.0000	62
4	Heptachlor	7.181	7.197	-0.016	275693448	60.0000	58
5	Aldrin	7.651	7.655	-0.004	325564505	60.0000	59
6	beta-BHC	6.715	6.717	-0.002	153918009	60.0000	60
7	delta-BHC	7.230	7.230	0.000	335573106	60.0000	64
8	Heptachlor epoxide	8.377	8.380	-0.003	293240747	60.0000	62
9	Endosulfan I	8.861	8.862	-0.001	279720383	60.0000	63
10	gamma-Chlordane	8.631	8.634	-0.003	295600604	60.0000	61
11	alpha-Chlordane	8.826	8.827	-0.001	268390166	60.0000	60
12	4,4'-DDE	9.085	9.100	-0.015	585832327	120.000	120
13	Dieldrin	9.243	9.246	-0.003	608855103	120.000	120

034976

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a002.d
Report Date: 08-Jan-2007 10:21

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.679	9.691	-0.012	485860579	120.000	130
15 4,4'-DDD	9.773	9.788	-0.015	497067614	120.000	130
16 Endosulfan II	9.900	9.903	-0.003	514799117	120.000	130
17 4,4'-DDT	10.165	10.168	-0.003	412778300	120.000	120
18 Endrin aldehyde	10.265	10.281	-0.016	384704883	120.000	120
19 Methoxychlor	11.110	11.113	-0.003	1087780425	600.000	620
20 Endosulfan sulfate	10.465	10.479	-0.014	452381348	120.000	130
21 Endrin ketone	11.345	11.360	-0.015	543597908	120.000	130
$ 22 Decachlorobiphenyl	12.807	12.824	-0.017	228651213	60.0000	63

034977



Data File: /var/chem/gcsv17a.i/20701104b.b/sv17a002.d
Date : 04-JAN-2007 13:04
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000890

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a009.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17a.i Injection Date: 04-JAN-2007 16:16
Lab File ID: sv17a009.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:04 00:47
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	4887388	4728707	0.010	3.24675	15.00000	Averaged
2 alpha-BHC	6569646	6682978	0.010	-1.72509	15.00000	Averaged
3 gamma-BHC (Lindane)	5562067	5714112	0.010	-2.73361	15.00000	Averaged
4 Heptachlor	4728828	4634775	0.010	1.98892	15.00000	Averaged
5 Aldrin	5507184	5379136	0.010	2.32510	15.00000	Averaged
6 beta-BHC	2581294	2599379	0.010	-0.70062	15.00000	Averaged
7 delta-BHC	5235002	5616163	0.010	-7.28101	15.00000	Averaged
8 Heptachlor epoxide	4737650	4836728	0.010	-2.09129	15.00000	Averaged
9 Endosulfan I	4439665	4620011	0.010	-4.06214	15.00000	Averaged
10 gamma-Chlordane	4878239	4864279	0.010	0.28617	15.00000	Averaged
11 alpha-Chlordane	4465158	4463499	0.010	0.03715	15.00000	Averaged
12 4,4'-DDE	4878345	4833210	0.010	0.92521	15.00000	Averaged
13 Dieldrin	4970254	5043762	0.010	-1.47896	15.00000	Averaged
14 Endrin	3862371	3876741	0.010	-0.37205	15.00000	Averaged
15 4,4'-DDD	3924182	4264352	0.010	-8.66856	15.00000	Averaged
16 Endosulfan II	4085607	4324262	0.010	-5.84135	15.00000	Averaged
17 4,4'-DDT	3387900	3316748	0.010	2.10017	15.00000	Averaged
18 Endrin aldehyde	3235098	3205451	0.010	0.91641	15.00000	Averaged
19 Methoxychlor	1742772	1779205	0.010	-2.09055	15.00000	Averaged
20 Endosulfan sulfate	3377305	3800916	0.010	-12.54287	15.00000	Averaged
21 Endrin ketone	4100103	4633657	0.010	-13.01319	15.00000	Averaged
$ 22 Decachlorobiphenyl	3628274	3850105	0.010	-6.11396	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.66096
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

000891

034979

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a009.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a009.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2007 16:16
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10830~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:21 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.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	4.898	4.903	-0.005	283722428	60.0000	58
2	alpha-BHC	6.018	6.023	-0.005	400978677	60.0000	61
3	gamma-BHC (Lindane)	6.605	6.609	-0.004	342846750	60.0000	62
4	Heptachlor	7.182	7.197	-0.015	278086525	60.0000	59
5	Aldrin	7.652	7.655	-0.003	322748155	60.0000	59
6	beta-BHC	6.715	6.717	-0.002	155962755	60.0000	60
7	delta-BHC	7.229	7.230	-0.001	336969770	60.0000	64
8	Heptachlor epoxide	8.377	8.380	-0.003	290203677	60.0000	61
9	Endosulfan I	8.862	8.862	0.000	277200633	60.0000	62
10	gamma-Chlordane	8.631	8.634	-0.003	291856738	60.0000	60
11	alpha-Chlordane	8.827	8.828	-0.001	267809967	60.0000	60
12	4,4'-DDE	9.086	9.100	-0.014	579985154	120.000	120
13	Dieldrin	9.242	9.246	-0.004	605251421	120.000	120

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a009.d
Report Date: 08-Jan-2007 10:21

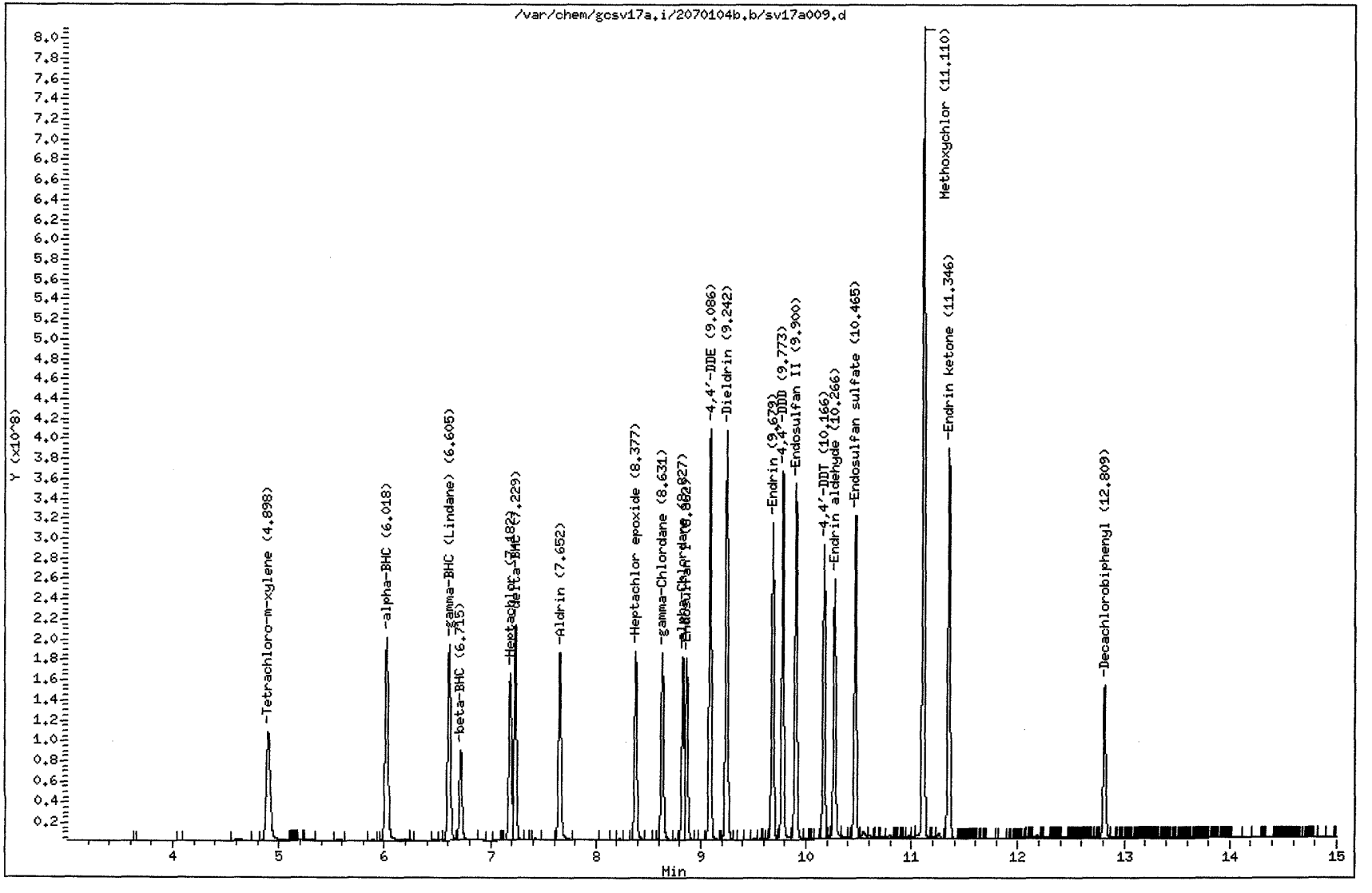
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.679	9.691	-0.012	465208909	120.000	120
	15 4,4'-DDD	9.773	9.788	-0.015	511722184	120.000	130
	16 Endosulfan II	9.900	9.903	-0.003	518911453	120.000	130
	17 4,4'-DDT	10.166	10.168	-0.002	398009769	120.000	120
	18 Endrin aldehyde	10.266	10.281	-0.015	384654104	120.000	120
	19 Methoxychlor	11.110	11.113	-0.003	1067523167	600.000	610
	20 Endosulfan sulfate	10.465	10.479	-0.014	456109885	120.000	140
	21 Endrin ketone	11.346	11.360	-0.014	556038848	120.000	140
$	22 Decachlorobiphenyl	12.809	12.824	-0.015	231006272	60.0000	64

034981

000894

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a009.d
Date : 04-JAN-2007 16:16
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



034982

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a037.d
Report Date: 08-Jan-2007 08:07

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a037.d
Lab Smp Id: deg
Inj Date : 05-JAN-2007 09:08
Operator : tls Inst ID: gcsv17a.i
Smp Info : deg*1 65-46-2
Misc Info :
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 08:07 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 37
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	9.081	9.100	-0.019	13598950	2.78762	0.028
15 4,4'-DDD	9.770	9.788	-0.018	50527956	12.8760	0.13
17 4,4'-DDT	10.161	10.168	-0.007	1240831816	366.254	3.7(A)
18 Endrin aldehyde	10.261	10.281	-0.020	14165455	4.37868	0.044
21 Endrin ketone	11.340	11.360	-0.020	44023377	10.7371	0.11
14 Endrin	9.675	9.691	-0.016	1400650942	362.640	3.6(A)

QC Flag Legend

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

034983

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:

$$\frac{50527956 + 13598950}{50527956 + 13598950 + 1240831816} \times 100 = 4.9\ \%$$

DDT Breakdown Criteria: < 15%

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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:

$$\frac{44023377 + 14165455}{44023377 + 14165455 + 1400650942} \times 100 = 4.0\ \%$$

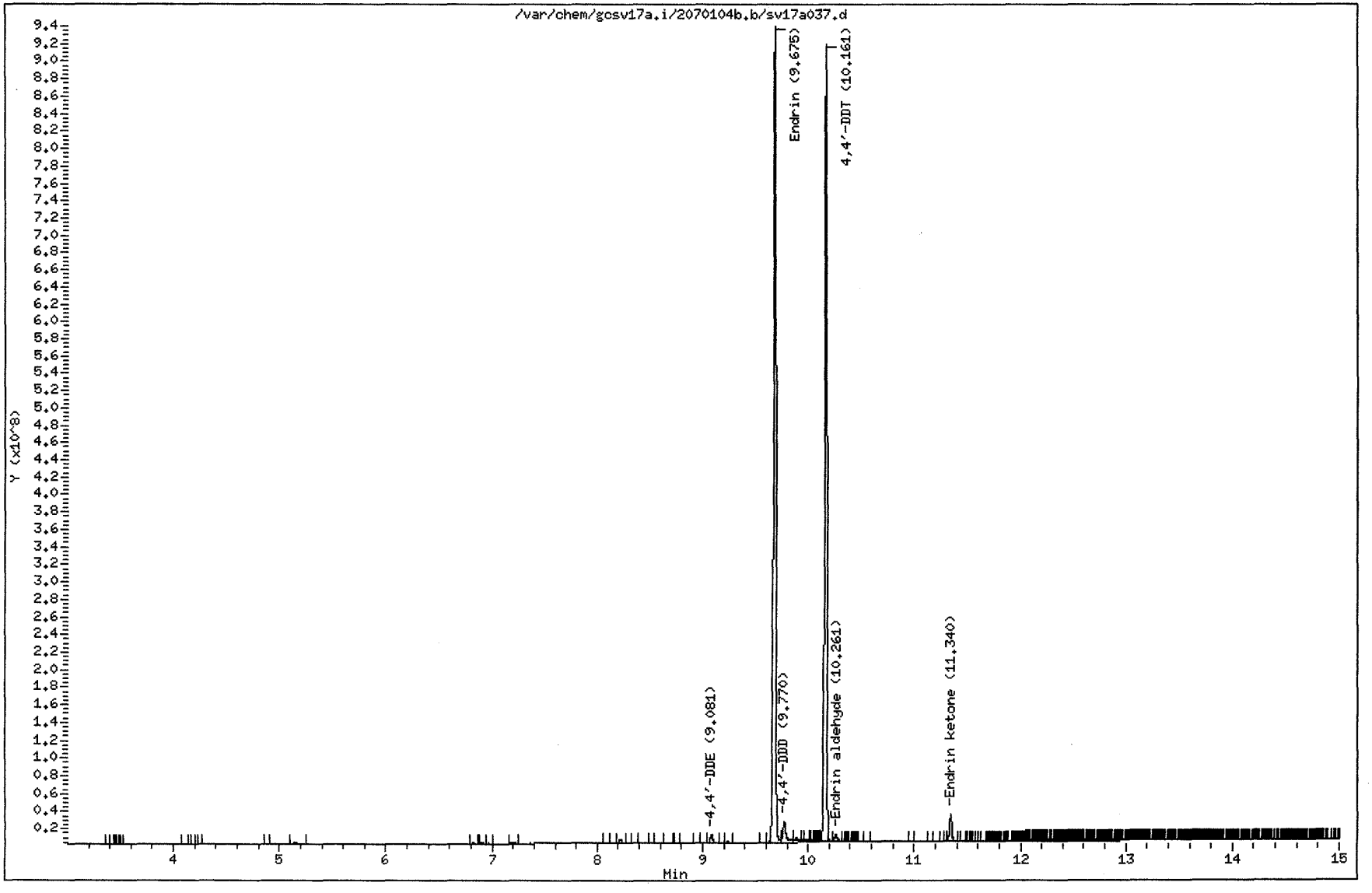
Endrin Breakdown Criteria: < 15%

034984

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a037.d
Date : 05-JAN-2007 09:08
Client ID:
Sample Info: deg*1 65-46-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000897



034985

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a038.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17a.i Injection Date: 05-JAN-2007 09:29
Lab File ID: sv17a038.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:04 00:47
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	4887388	4623917	0.010	5.39085	15.00000	Averaged
2 alpha-BHC	6569646	6490126	0.010	1.21041	15.00000	Averaged
3 gamma-BHC (Lindane)	5562067	5576591	0.010	-0.26112	15.00000	Averaged
4 Heptachlor	4728828	4639826	0.010	1.88212	15.00000	Averaged
5 Aldrin	5507184	5284570	0.010	4.04224	15.00000	Averaged
6 beta-BHC	2581294	2550626	0.010	1.18809	15.00000	Averaged
7 delta-BHC	5235002	5358990	0.010	-2.36844	15.00000	Averaged
8 Heptachlor epoxide	4737650	4776866	0.010	-0.82777	15.00000	Averaged
9 Endosulfan I	4439665	4503683	0.010	-1.44196	15.00000	Averaged
10 gamma-Chlordane	4878239	4789542	0.010	1.81821	15.00000	Averaged
11 alpha-Chlordane	4465158	4403792	0.010	1.37433	15.00000	Averaged
12 4,4'-DDE	4878345	4775696	0.010	2.10417	15.00000	Averaged
13 Dieldrin	4970254	4967228	0.010	0.06087	15.00000	Averaged
14 Endrin	3862371	4216781	0.010	-9.17597	15.00000	Averaged
15 4,4'-DDD	3924182	4085544	0.010	-4.11199	15.00000	Averaged
16 Endosulfan II	4085607	4219344	0.010	-3.27337	15.00000	Averaged
17 4,4'-DDT	3387900	3577997	0.010	-5.61106	15.00000	Averaged
18 Endrin aldehyde	3235098	3131616	0.010	3.19871	15.00000	Averaged
19 Methoxychlor	1742772	1964451	0.010	-12.71992	15.00000	Averaged
20 Endosulfan sulfate	3377305	3663326	0.010	-8.46892	15.00000	Averaged
21 Endrin ketone	4100103	4343592	0.010	-5.93861	15.00000	Averaged
$ 22 Decachlorobiphenyl	3628274	3786878	0.010	-4.37134	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.67457
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

000898

034986

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a038.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a038.d
Lab Smp Id: 1400
Inj Date : 05-JAN-2007 09:29
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10830~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:21 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 38 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.896	4.903	-0.007	277434996	60.0000	57
2	alpha-BHC	6.017	6.023	-0.006	389407563	60.0000	59
3	gamma-BHC (Lindane)	6.603	6.609	-0.006	334595444	60.0000	60
4	Heptachlor	7.178	7.196	-0.018	278389559	60.0000	59
5	Aldrin	7.648	7.655	-0.007	317074216	60.0000	58
6	beta-BHC	6.713	6.717	-0.004	153037561	60.0000	59
7	delta-BHC	7.227	7.230	-0.003	321539384	60.0000	61
8	Heptachlor epoxide	8.374	8.380	-0.006	286611987	60.0000	60
9	Endosulfan I	8.858	8.861	-0.003	270220992	60.0000	61
10	gamma-Chlordane	8.628	8.634	-0.006	287372535	60.0000	59
11	alpha-Chlordane	8.823	8.827	-0.004	264227530	60.0000	59
12	4,4'-DDE	9.082	9.100	-0.018	573083495	120.000	120
13	Dieldrin	9.239	9.245	-0.006	596067375	120.000	120

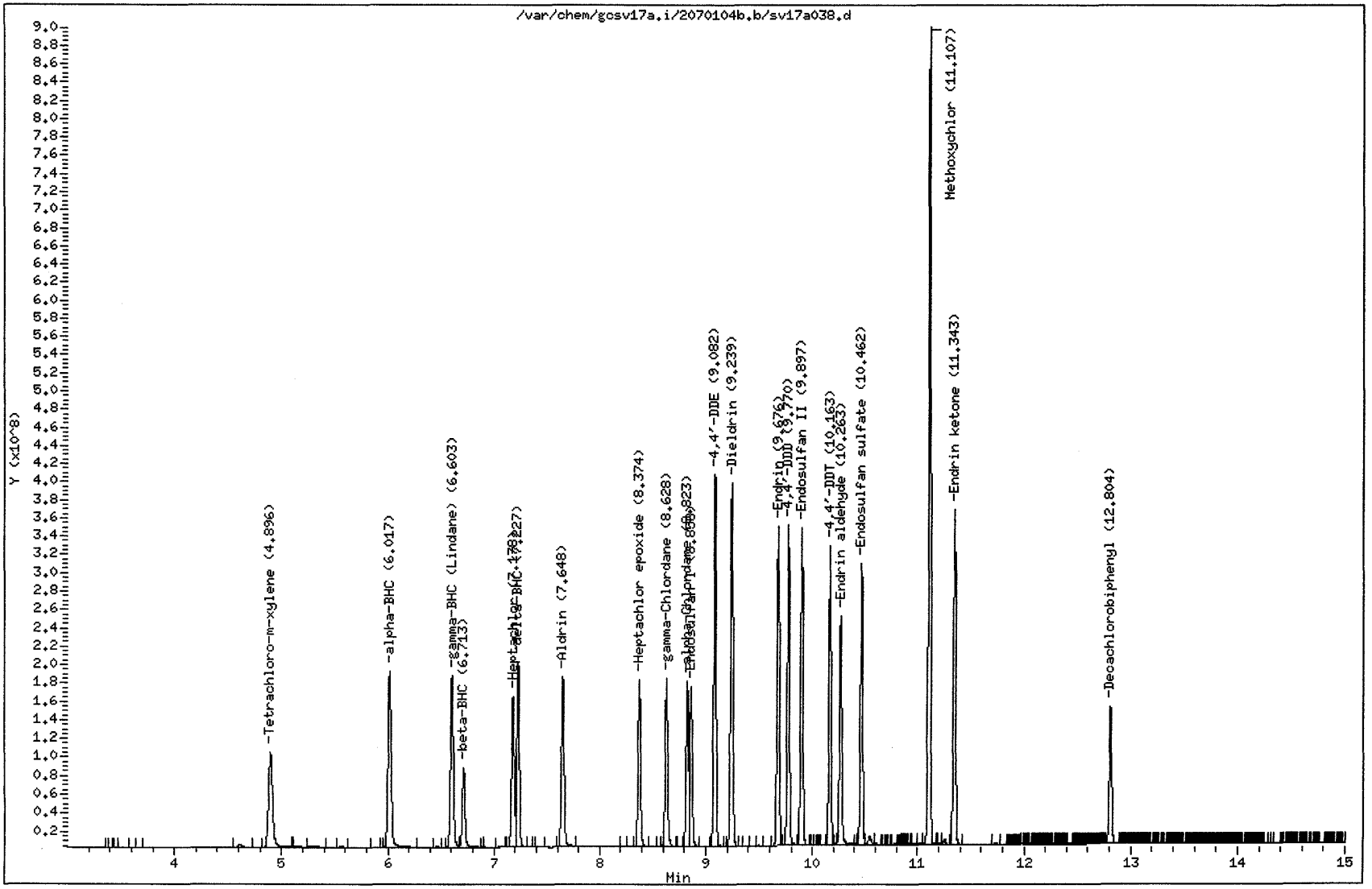
034987

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a038.d
Report Date: 08-Jan-2007 10:21

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.676	9.691	-0.015	506013707	120.000	130
15 4,4'-DDD	9.770	9.788	-0.018	490265221	120.000	120
16 Endosulfan II	9.897	9.902	-0.005	506321330	120.000	120
17 4,4'-DDT	10.163	10.168	-0.005	429359606	120.000	130
18 Endrin aldehyde	10.263	10.280	-0.017	375793921	120.000	120
19 Methoxychlor	11.107	11.112	-0.005	1178670497	600.000	680
20 Endosulfan sulfate	10.462	10.479	-0.017	439599112	120.000	130
21 Endrin ketone	11.343	11.360	-0.017	521231053	120.000	130
$ 22 Decachlorobiphenyl	12.804	12.823	-0.019	227212665	60.0000	63

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a038.d
Date : 05-JAN-2007 09:29
Client ID:
Sample Info: 1400*1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a051.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17a.i Injection Date: 05-JAN-2007 16:04
Lab File ID: sv17a051.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:04 00:47
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	4887388	4491825	0.010	8.09356	15.00000	Averaged
2 alpha-BHC	6569646	6380073	0.010	2.88558	15.00000	Averaged
3 gamma-BHC (Lindane)	5562067	5455765	0.010	1.91120	15.00000	Averaged
4 Heptachlor	4728828	4553291	0.010	3.71207	15.00000	Averaged
5 Aldrin	5507184	5100985	0.010	7.37580	15.00000	Averaged
6 beta-BHC	2581294	2439915	0.010	5.47707	15.00000	Averaged
7 delta-BHC	5235002	5407098	0.010	-3.28740	15.00000	Averaged
8 Heptachlor epoxide	4737650	4629335	0.010	2.28626	15.00000	Averaged
9 Endosulfan I	4439665	4357250	0.010	1.85633	15.00000	Averaged
10 gamma-Chlordane	4878239	4592991	0.010	5.84736	15.00000	Averaged
11 alpha-Chlordane	4465158	4278494	0.010	4.18046	15.00000	Averaged
12 4,4'-DDE	4878345	4672444	0.010	4.22070	15.00000	Averaged
13 Dieldrin	4970254	4855395	0.010	2.31093	15.00000	Averaged
14 Endrin	3862371	4170878	0.010	-7.98750	15.00000	Averaged
15 4,4'-DDD	3924182	3947212	0.010	-0.58689	15.00000	Averaged
16 Endosulfan II	4085607	4094727	0.010	-0.22322	15.00000	Averaged
17 4,4'-DDT	3387900	3621161	0.010	-6.88512	15.00000	Averaged
18 Endrin aldehyde	3235098	3164047	0.010	2.19624	15.00000	Averaged
19 Methoxychlor	1742772	2042239	0.010	-17.18337	15.00000	Averaged <-
20 Endosulfan sulfate	3377305	3669320	0.010	-8.64639	15.00000	Averaged
21 Endrin ketone	4100103	4392200	0.010	-7.12413	15.00000	Averaged
$ 22 Decachlorobiphenyl	3628274	3780895	0.010	-4.20644	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.93109
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

034990

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a051.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a051.d
Lab Smp Id: 1400
Inj Date : 05-JAN-2007 16:04
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10830~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:21 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 51 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.900	4.903	-0.003	269509483	60.0000	55
2	alpha-BHC	6.018	6.023	-0.005	382804383	60.0000	58
3	gamma-BHC (Lindane)	6.605	6.609	-0.004	327345880	60.0000	59
4	Heptachlor	7.180	7.196	-0.016	273197432	60.0000	58
5	Aldrin	7.650	7.655	-0.005	306059092	60.0000	56
6	beta-BHC	6.715	6.717	-0.002	146394892	60.0000	57
7	delta-BHC	7.230	7.230	0.000	324425851	60.0000	62
8	Heptachlor epoxide	8.375	8.380	-0.005	277760096	60.0000	59
9	Endosulfan I	8.860	8.862	-0.002	261435012	60.0000	59
10	gamma-Chlordane	8.630	8.634	-0.004	275579455	60.0000	56
11	alpha-Chlordane	8.825	8.827	-0.002	256709640	60.0000	57
12	4,4'-DDE	9.084	9.100	-0.016	560693315	120.000	110
13	Dieldrin	9.241	9.246	-0.005	582647385	120.000	120

034991

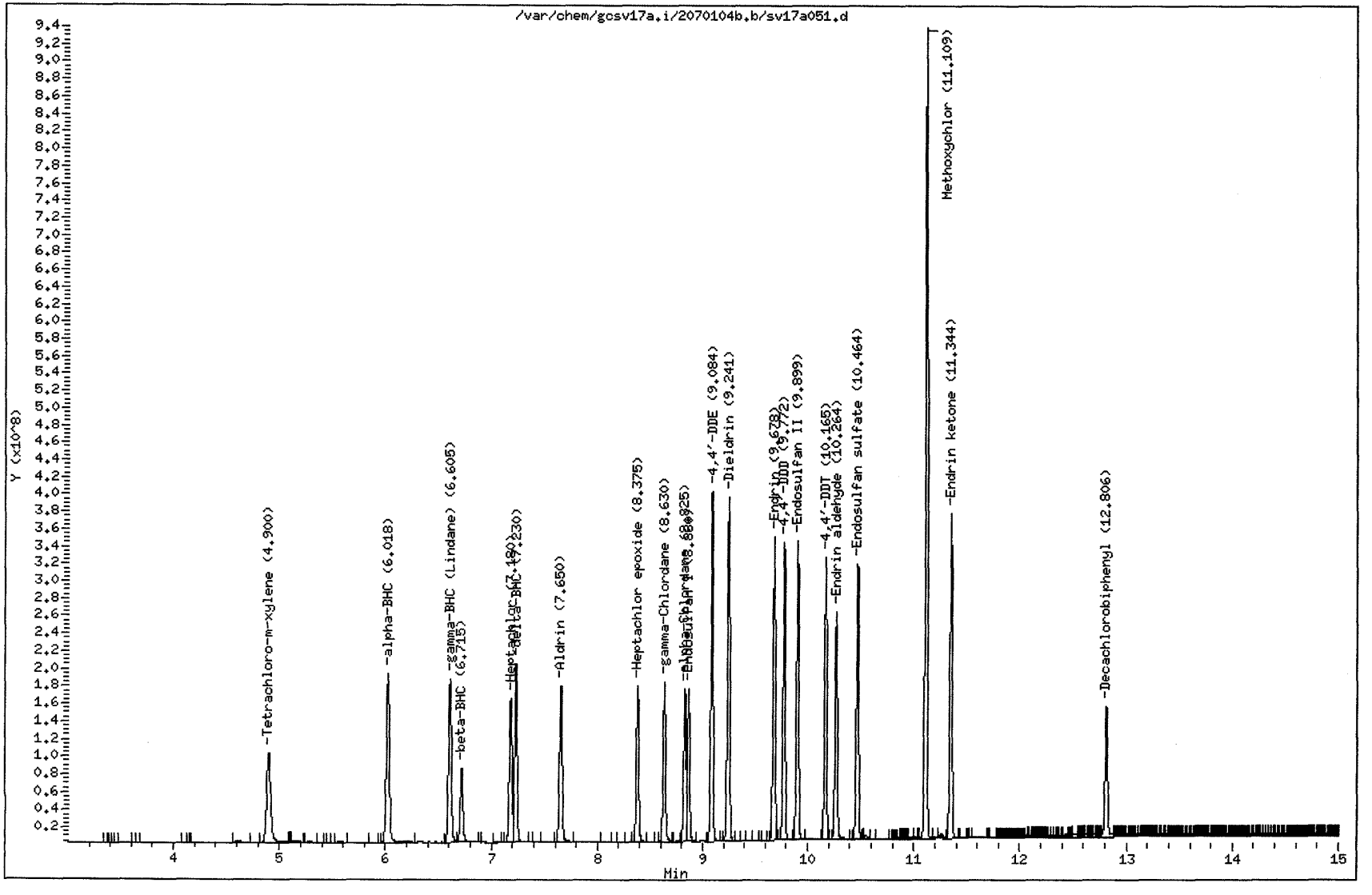
Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a051.d
Report Date: 08-Jan-2007 10:21

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.678	9.691	-0.013	500505353	120.000	130
15 4,4'-DDD	9.772	9.788	-0.016	473665495	120.000	120
16 Endosulfan II	9.899	9.902	-0.003	491367275	120.000	120
17 4,4'-DDT	10.165	10.168	-0.003	434539265	120.000	130
18 Endrin aldehyde	10.264	10.281	-0.017	379685636	120.000	120
19 Methoxychlor	11.109	11.112	-0.003	1225343164	600.000	700
20 Endosulfan sulfate	10.464	10.479	-0.015	440318380	120.000	130
21 Endrin ketone	11.344	11.360	-0.016	527063941	120.000	130
$ 22 Decachlorobiphenyl	12.806	12.824	-0.018	226853685	60.0000	63

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a051.d
Date : 05-JAN-2007 16:04
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

000905



Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv17b.i/2061124.b/sv17b020.d
Level 2: /var/chem/gcsv17b.i/2061124.b/sv17b021.d
Level 3: /var/chem/gcsv17b.i/2061124.b/sv17b022.d
Level 4: /var/chem/gcsv17b.i/2061124.b/sv17b023.d
Level 5: /var/chem/gcsv17b.i/2061124.b/sv17b024.d
Level 6: /var/chem/gcsv17b.i/2061124.b/sv17b019.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	5573631	5867048	5987410	6069567	5979131	6256434	5955537	3.820
	3 gamma-BHC (Lindane)	4966837	5105488	5155551	5213850	5145699	+++++	5117485	1.811
	4 Heptachlor	4166567	4216870	4206938	4214590	4150998	+++++	4191193	0.723
	5 Aldrin	5426425	5416124	5299595	5311637	5197941	+++++	5330344	1.765
	6 beta-BHC	2736528	2524643	2456730	2467558	2412102	+++++	2519512	5.071
	7 delta-BHC	4306836	4477484	4587486	4659910	4612614	+++++	4528866	3.114
	8 Heptachlor epoxide	4795319	4770737	4621950	4637287	4543994	+++++	4673857	2.270
	9 Endosulfan I	4373592	4461270	4364235	4412015	4272621	+++++	4376746	1.591
	10 gamma-Chlordane	4746048	4752585	4706548	4732206	4633526	+++++	4714183	1.027
	11 alpha-Chlordane	4598631	4559106	4506607	4498743	4435501	+++++	4519717	1.377
	12 4,4'-DDE	5051357	4827316	4650089	4659895	4576220	+++++	4752976	4.006
	13 Dieldrin	4894884	4803471	4712778	4778812	4699777	+++++	4777944	1.644
	14 Endrin	3815444	3651358	3556286	3564293	3551897	+++++	3627856	3.103
	15 4,4'-DDD	3903458	3736759	3701016	3729404	3686304	+++++	3751388	2.331
	16 Endosulfan II	4066858	3915061	3859333	3894927	3848052	+++++	3916846	2.249
	17 4,4'-DDT	2997306	3127219	3255971	3313214	3327594	+++++	3204261	4.373
	18 Endrin aldehyde	3378183	3178574	3116398	3148162	3092300	+++++	3182724	3.582
	19 Methoxychlor	1458597	1432601	1510712	1562723	1584451	+++++	1509817	4.312
	20 Endosulfan sulfate	2663258	2651695	2799514	2855434	2863136	+++++	2766607	3.712
	21 Endrin ketone	3938980	3677380	3701996	3751060	3745728	+++++	3763029	2.738
M	23 AR 1016-AVG	493379	459838	424886	397099	374372	514282	443976	12.354

034994

Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	105844	97304	88658	81769	77606	112506	93948	14.599
	25 AR 1016-PEAK2	142173	131473	119702	110099	102675	150886	126168	14.816
	26 AR 1016-PEAK3	122595	115557	108528	103254	97493	124881	112051	9.693
	27 AR 1016-PEAK4	122767	115504	107998	101977	96599	126009	111809	10.414
M	28 AR 1260-AVG	1419987	1354281	1285892	1237478	1199901	1446034	1323929	7.505
	29 AR 1260-PEAK1	257749	241366	225418	214771	205398	267844	235425	10.427
	30 AR 1260-PEAK2	304294	288406	272911	261107	249708	309181	280935	8.471
	31 AR 1260-PEAK3	332507	318730	303083	291636	282320	337494	310962	7.168
	32 AR 1260-PEAK4	525437	505778	484480	469964	462475	531515	496608	5.805
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	117514	+++++	+++++	+++++	117514	0.000
	38 AR 1221-PEAK1	+++++	+++++	13855	+++++	+++++	+++++	13855	0.000
	39 AR 1221-PEAK2	+++++	+++++	19094	+++++	+++++	+++++	19094	0.000
	40 AR 1221-PEAK3	+++++	+++++	51420	+++++	+++++	+++++	51420	0.000
	41 AR 1221-PEAK4	+++++	+++++	33145	+++++	+++++	+++++	33145	0.000
M	42 AR 1232-AVG	+++++	+++++	284640	+++++	+++++	+++++	284640	0.000
	43 AR 1232-PEAK1	+++++	+++++	105626	+++++	+++++	+++++	105626	0.000
	44 AR 1232-PEAK2	+++++	+++++	87943	+++++	+++++	+++++	87943	0.000
	45 AR 1232-PEAK3	+++++	+++++	43152	+++++	+++++	+++++	43152	0.000
	46 AR 1232-PEAK4	+++++	+++++	47919	+++++	+++++	+++++	47919	0.000
M	47 AR 1242-AVG	+++++	+++++	343833	+++++	+++++	+++++	343833	0.000
	48 AR 1242-PEAK1	+++++	+++++	69494	+++++	+++++	+++++	69494	0.000
	49 AR 1242-PEAK2	+++++	+++++	92867	+++++	+++++	+++++	92867	0.000
	50 AR 1242-PEAK3	+++++	+++++	86432	+++++	+++++	+++++	86432	0.000
	51 AR 1242-PEAK4	+++++	+++++	95041	+++++	+++++	+++++	95041	0.000
M	52 AR 1248-AVG	+++++	+++++	618392	+++++	+++++	+++++	618392	0.000

Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	129979	+++++	+++++	+++++	129979	0.000
	54 AR 1248-PEAK2	+++++	+++++	142971	+++++	+++++	+++++	142971	0.000
	55 AR 1248-PEAK3	+++++	+++++	178849	+++++	+++++	+++++	178849	0.000
	56 AR 1248-PEAK4	+++++	+++++	166593	+++++	+++++	+++++	166593	0.000
M	57 AR 1254-AVG	+++++	+++++	532509	+++++	+++++	+++++	532509	0.000
	58 AR 1254-PEAK1	+++++	+++++	77924	+++++	+++++	+++++	77924	0.000
	59 AR 1254-PEAK2	+++++	+++++	66525	+++++	+++++	+++++	66525	0.000
	60 AR 1254-PEAK3	+++++	+++++	134749	+++++	+++++	+++++	134749	0.000
	61 AR 1254-PEAK4	+++++	+++++	253311	+++++	+++++	+++++	253311	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	410899	+++++	410899	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	122206	+++++	122206	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	153726	+++++	153726	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	134967	+++++	134967	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1506501	+++++	1506501	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	203881	+++++	203881	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	217676	+++++	217676	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	627680	+++++	627680	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	457264	+++++	457264	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	1673658	+++++	+++++	+++++	1673658	0.000
	75 AR 1268-PEAK1	+++++	+++++	570267	+++++	+++++	+++++	570267	0.000
	76 AR 1268-PEAK2	+++++	+++++	511015	+++++	+++++	+++++	511015	0.000
	77 AR 1268-PEAK3	+++++	+++++	403943	+++++	+++++	+++++	403943	0.000
	78 AR 1268 PEAK4	+++++	+++++	188432	+++++	+++++	+++++	188432	0.000
M	79 AR 1262-AVG	+++++	+++++	862094	+++++	+++++	+++++	862094	0.000
	80 AR 1262-PEAK1	+++++	+++++	166043	+++++	+++++	+++++	166043	0.000
	81 AR 1262-PEAK2	+++++	+++++	195374	+++++	+++++	+++++	195374	0.000

000908

034996

Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	281582	+++++	+++++	+++++	281582	0.000
83 AR 1262-PEAK4	+++++	+++++	219095	+++++	+++++	+++++	219095	0.000
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	5084590	4958909	4813499	4823575	4720012	+++++	4880117	2.921
$ 22 Decachlorobiphenyl	3917862	3557789	3490785	3511969	3456413	+++++	3586964	5.258

000909

034997

Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 5.12662
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

034998

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b001.d
Report Date: 25-Nov-2006 12:21

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b001.d
Lab Smp Id: deg
Inj Date : 24-NOV-2006 17:04
Operator : tls Inst ID: gcsv17b.i
Smp Info : deg*1 65-34-6
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 25-Nov-2006 12:21 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	9.008	9.009	-0.001	8965903	1.88638	0.019
15 4,4'-DDD	9.679	9.679	0.000	9249995	2.46575	0.025
17 4,4'-DDT	10.066	10.068	-0.002	245089906	76.4887	0.76
18 Endrin aldehyde	9.935	9.933	0.002	9333864	2.93267	0.029
21 Endrin ketone	10.814	10.813	0.001	18880312	5.01732	0.050
14 Endrin	9.434	9.432	0.002	283276413	78.0837	0.78

034999

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:

$$\frac{9249995 + 8965903}{9249995 + 8965903 + 245089906} \times 100 = 6.9\ \%$$

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:

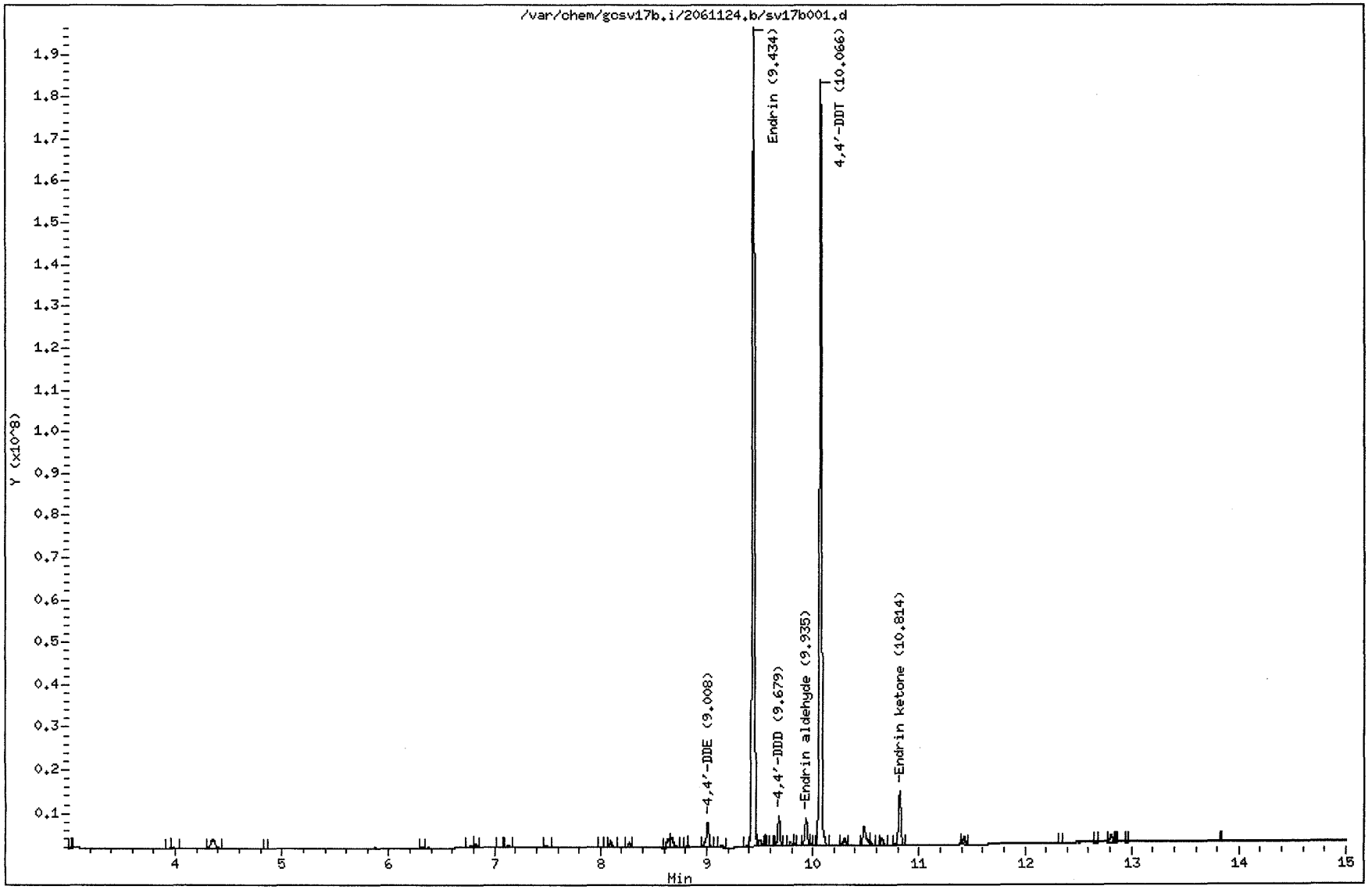
$$\frac{18880312 + 9333864}{18880312 + 9333864 + 283276413} \times 100 = 9.1\ \%$$

Endrin Breakdown Criteria: < 15%

000913

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b001.d
Date : 24-NOV-2006 17:04
Client ID:
Sample Info: deg*1 65-34-6
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



035001

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b002.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b002.d
Lab Smp Id: 1206
Inj Date : 24-NOV-2006 17:25
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1206*1 2.5
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:23 Cal File: sv17b019.d
Als bottle: 2 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	5.101	5.100	0.001	14701806	2.50000	3.0
2	alpha-BHC	5.797	5.798	-0.001	15641086	2.50000	2.6
3	gamma-BHC (Lindane)	6.315	6.317	-0.002	14224799	2.50000	2.8
6	beta-BHC	6.780	6.780	0.000	8399086	2.50000	3.3
7	delta-BHC	7.135	7.136	-0.001	12391069	2.50000	2.7
4	Heptachlor	7.193	7.192	0.001	12100441	2.50000	2.9
5	Aldrin	7.644	7.642	0.002	15269648	2.50000	2.9
8	Heptachlor epoxide	8.265	8.267	-0.002	14054068	2.50000	3.0
10	gamma-Chlordane	8.701	8.700	0.001	13560214	2.50000	2.9
11	alpha-Chlordane	8.763	8.762	0.001	12945989	2.50000	2.9
9	Endosulfan I	8.800	8.800	0.000	12372823	2.50000	2.8
12	4,4'-DDE	9.009	9.009	0.000	29290864	5.00000	6.2
13	Dieldrin	9.142	9.141	0.001	27640052	5.00000	5.8

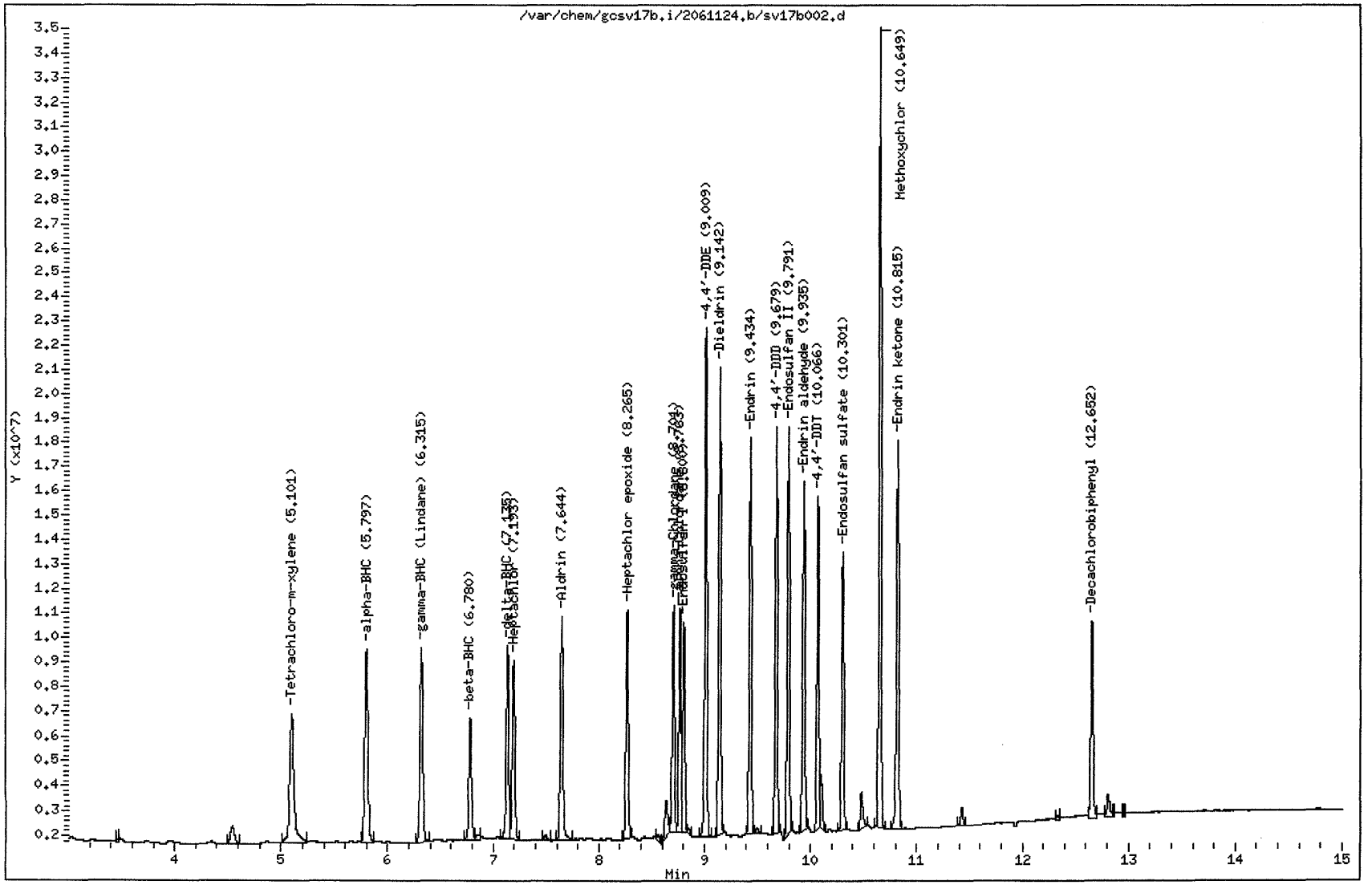
Data File: /var/chem/gcsv17b.i/2061124.b/sv17b002.d
Report Date: 01-Dec-2006 12:53

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.434	9.432	0.002	23060882	5.00000	6.4
	15 4,4'-DDD	9.679	9.679	0.000	22045794	5.00000	5.9
	16 Endosulfan II	9.791	9.791	0.000	23737597	5.00000	6.1
	18 Endrin aldehyde	9.935	9.933	0.002	20079846	5.00000	6.3
	17 4,4'-DDT	10.066	10.067	-0.001	18149381	5.00000	5.7
	20 Endosulfan sulfate	10.301	10.301	0.000	15807999	5.00000	5.7
	19 Methoxychlor	10.649	10.649	0.000	43461713	25.0000	29
	21 Endrin ketone	10.815	10.813	0.002	23429299	5.00000	6.2
$	22 Decachlorobiphenyl	12.652	12.650	0.002	11996060	2.50000	3.3

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b002.d
Date : 24-NOV-2006 17:25
Client ID:
Sample Info: 1206*1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000916



Data File: /var/chem/gcsv17b.i/2061124.b/sv17b003.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b003.d
Lab Smp Id: 1201
Inj Date : 24-NOV-2006 17:46
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1201*1 5
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:44 Cal File: sv17b020.d
Als bottle: 3 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	5.100	5.100	0.000	25422948	5.00000	5.2
2	alpha-BHC	5.797	5.798	-0.001	27868154	5.00000	4.7
3	gamma-BHC (Lindane)	6.317	6.317	0.000	24834184	5.00000	4.9
6	beta-BHC	6.781	6.780	0.001	13682639	5.00000	5.4
7	delta-BHC	7.136	7.136	0.000	21534178	5.00000	4.8
4	Heptachlor	7.192	7.192	0.000	20832835	5.00000	5.0
5	Aldrin	7.644	7.642	0.002	27132126	5.00000	5.1
8	Heptachlor epoxide	8.266	8.267	-0.001	23976593	5.00000	5.1
10	gamma-Chlordane	8.701	8.700	0.001	23730242	5.00000	5.0
11	alpha-Chlordane	8.763	8.762	0.001	22993155	5.00000	5.1
9	Endosulfan I	8.800	8.800	0.000	21867958	5.00000	5.0
12	4,4'-DDE	9.008	9.009	-0.001	50513568	10.0000	11
13	Dieldrin	9.142	9.141	0.001	48948837	10.0000	10

000917

035005

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b003.d
Report Date: 01-Dec-2006 12:53

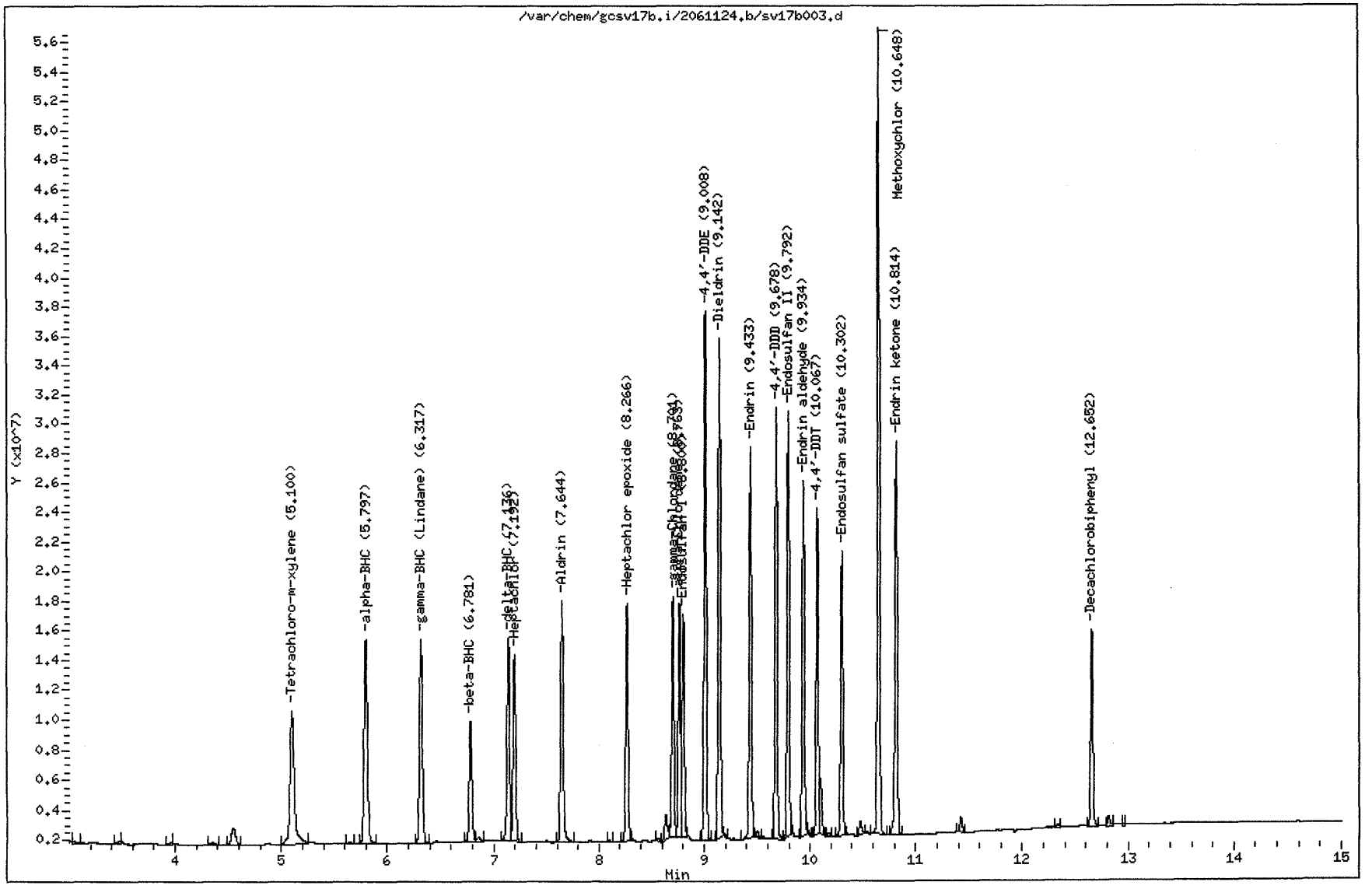
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.433	9.432	0.001	38154441	10.0000	11
	15 4,4'-DDD	9.678	9.679	-0.001	39034576	10.0000	10
	16 Endosulfan II	9.792	9.791	0.001	40668580	10.0000	10
	18 Endrin aldehyde	9.934	9.933	0.001	33781833	10.0000	11
	17 4,4'-DDT	10.067	10.067	0.000	29973061	10.0000	9.4
	20 Endosulfan sulfate	10.302	10.301	0.001	26632577	10.0000	9.6
	19 Methoxychlor	10.648	10.649	-0.001	72929827	50.0000	48
	21 Endrin ketone	10.814	10.813	0.001	39389803	10.0000	10
$	22 Decachlorobiphenyl	12.652	12.651	0.001	19589311	5.00000	5.5

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b003.d
Date : 24-NOV-2006 17:46
Client ID:
Sample Info: 1201x1 5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

000919



035007

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b004.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b004.d
Lab Smp Id: 1202
Inj Date : 24-NOV-2006 18:07
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1202*1 20
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17b021.d
Als bottle: 4 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	5.101	5.100	0.001	99178179	20.0000	20
2	alpha-BHC	5.797	5.798	-0.001	117340958	20.0000	20
3	gamma-BHC (Lindane)	6.316	6.317	-0.001	102109750	20.0000	20
6	beta-BHC	6.781	6.780	0.001	50492859	20.0000	20
7	delta-BHC	7.135	7.136	-0.001	89549670	20.0000	20
4	Heptachlor	7.194	7.192	0.002	84337404	20.0000	20
5	Aldrin	7.644	7.642	0.002	108322474	20.0000	20
8	Heptachlor epoxide	8.265	8.267	-0.002	95414739	20.0000	20
10	gamma-Chlordane	8.701	8.700	0.001	95051703	20.0000	20
11	alpha-Chlordane	8.763	8.762	0.001	91182120	20.0000	20
9	Endosulfan I	8.800	8.800	0.000	89225391	20.0000	20
12	4,4'-DDE	9.008	9.009	-0.001	193092649	40.0000	41
13	Dieldrin	9.142	9.141	0.001	192138842	40.0000	40

000920

035008

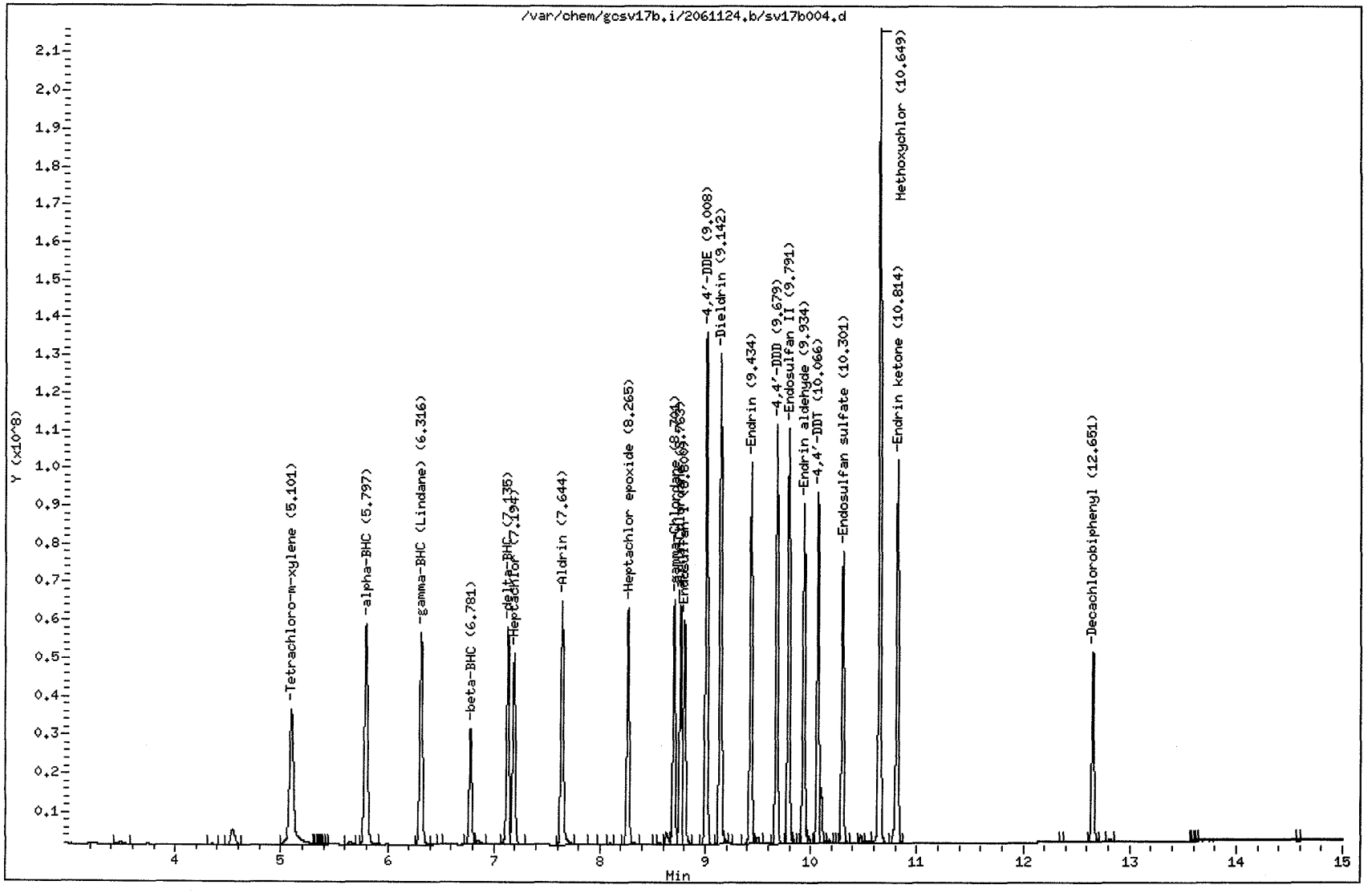
Data File: /var/chem/gcsv17b.i/2061124.b/sv17b004.d
Report Date: 01-Dec-2006 12:53

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.434	9.432	0.002	146054320	40.0000	40
15 4,4'-DDD	9.679	9.679	0.000	149470374	40.0000	40
16 Endosulfan II	9.791	9.791	0.000	156602444	40.0000	40
18 Endrin aldehyde	9.934	9.933	0.001	127142971	40.0000	40
17 4,4'-DDT	10.066	10.067	-0.001	125088767	40.0000	39
20 Endosulfan sulfate	10.301	10.301	0.000	106067788	40.0000	38
19 Methoxychlor	10.649	10.649	0.000	286520163	200.000	190
21 Endrin ketone	10.814	10.814	0.000	147095216	40.0000	39
$ 22 Decachlorobiphenyl	12.651	12.651	0.000	71155771	20.0000	20

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b004.d
Date : 24-NOV-2006 18:07
Client ID:
Sample Info: 1202x1 20
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000922



035010

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b005.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b005.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 18:28
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1203*1 60
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17b022.d
Als bottle: 5 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)

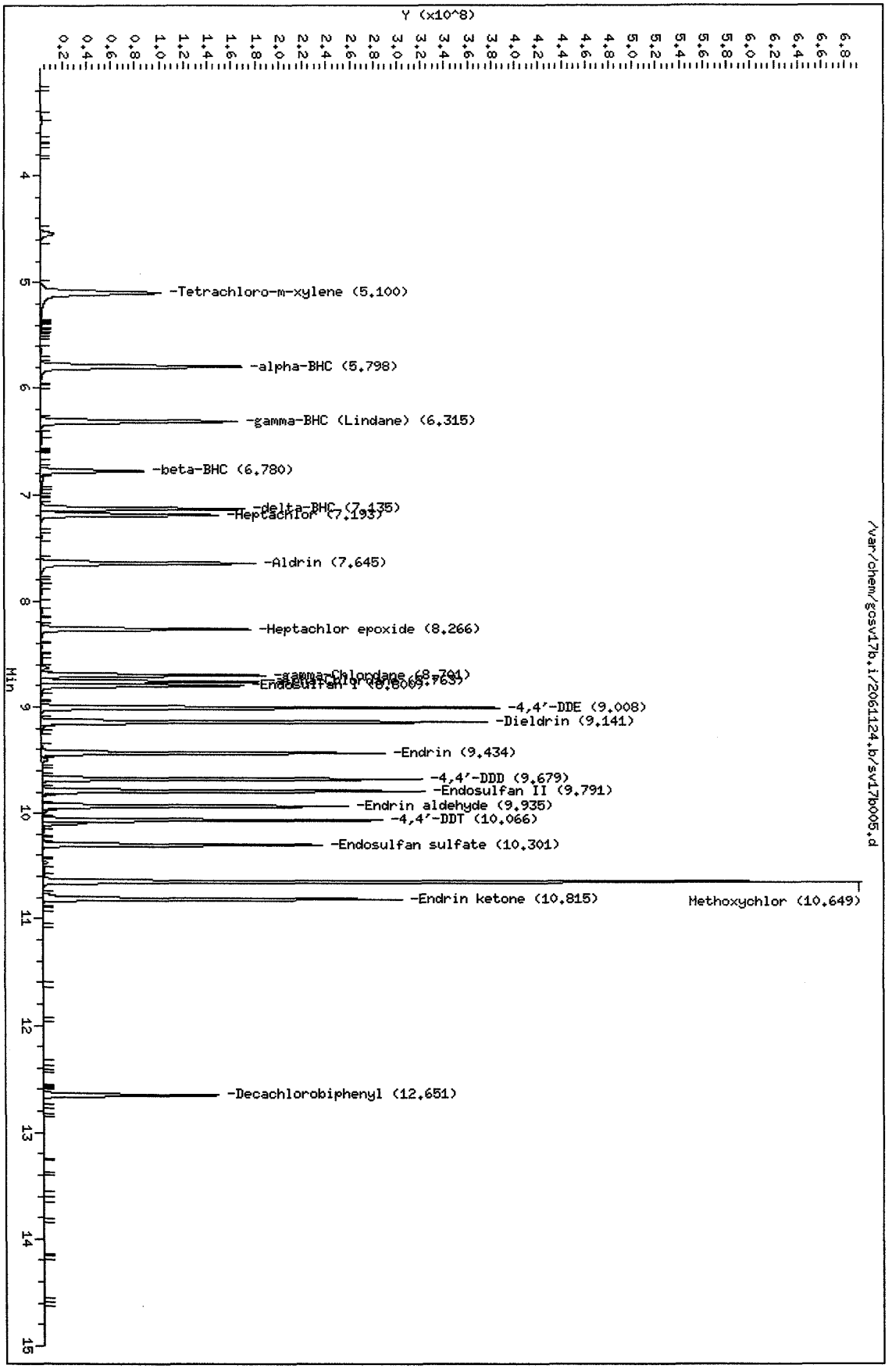
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	5.100	5.100	0.000	288809919	60.0000	59
2	alpha-BHC	5.798	5.798	0.000	359244587	60.0000	60
3	gamma-BHC (Lindane)	6.315	6.317	-0.002	309333060	60.0000	60
6	beta-BHC	6.780	6.780	0.000	147403825	60.0000	59
7	delta-BHC	7.135	7.136	-0.001	275249175	60.0000	61
4	Heptachlor	7.193	7.192	0.001	252416297	60.0000	60
5	Aldrin	7.645	7.643	0.002	317975671	60.0000	60
8	Heptachlor epoxide	8.266	8.267	-0.001	277316975	60.0000	59
10	gamma-Chlordane	8.701	8.701	0.000	282392881	60.0000	60
11	alpha-Chlordane	8.763	8.762	0.001	270396395	60.0000	60
9	Endosulfan I	8.800	8.800	0.000	261854105	60.0000	60
12	4,4'-DDE	9.008	9.009	-0.001	558010700	120.000	120
13	Dieldrin	9.141	9.141	0.000	565533375	120.000	120

000923

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b005.d
Report Date: 01-Dec-2006 12:53

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.434	9.432	0.002	426754279	120.000	120
	15 4,4'-DDD	9.679	9.679	0.000	444121869	120.000	120
	16 Endosulfan II	9.791	9.791	0.000	463119930	120.000	120
	18 Endrin aldehyde	9.935	9.933	0.002	373967757	120.000	120
	17 4,4'-DDT	10.066	10.067	-0.001	390716473	120.000	120
	20 Endosulfan sulfate	10.301	10.301	0.000	335941637	120.000	120
	19 Methoxychlor	10.649	10.649	0.000	906427498	600.000	600
	21 Endrin ketone	10.815	10.814	0.001	444239472	120.000	120
$	22 Decachlorobiphenyl	12.651	12.651	0.000	209447104	60.0000	58



Data File: /var/chem/gcsv17b.i/20061124.b/sv17b005.d
Date : 24-NOV-2006 18:28
Client ID:
Sample Info: 1203x1 60
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000925

035013

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b006.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b006.d
Lab Smp Id: 1204
Inj Date : 24-NOV-2006 18:49
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1204*1 80
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17b023.d
Als bottle: 6 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	5.100	5.100	0.000	385885989	80.0000	79
2	alpha-BHC	5.798	5.798	0.000	485565376	80.0000	82
3	gamma-BHC (Lindane)	6.316	6.317	-0.001	417107979	80.0000	82
6	beta-BHC	6.781	6.780	0.001	197404628	80.0000	78
7	delta-BHC	7.136	7.136	0.000	372792765	80.0000	82
4	Heptachlor	7.193	7.192	0.001	337167206	80.0000	80
5	Aldrin	7.644	7.643	0.001	424930958	80.0000	80
8	Heptachlor epoxide	8.266	8.267	-0.001	370982999	80.0000	79
10	gamma-Chlordane	8.702	8.701	0.001	378576506	80.0000	80
11	alpha-Chlordane	8.763	8.762	0.001	359899451	80.0000	80
9	Endosulfan I	8.800	8.800	0.000	352961239	80.0000	81
12	4,4'-DDE	9.008	9.009	-0.001	745583191	160.000	160
13	Dieldrin	9.142	9.141	0.001	764609866	160.000	160

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b006.d
Report Date: 01-Dec-2006 12:53

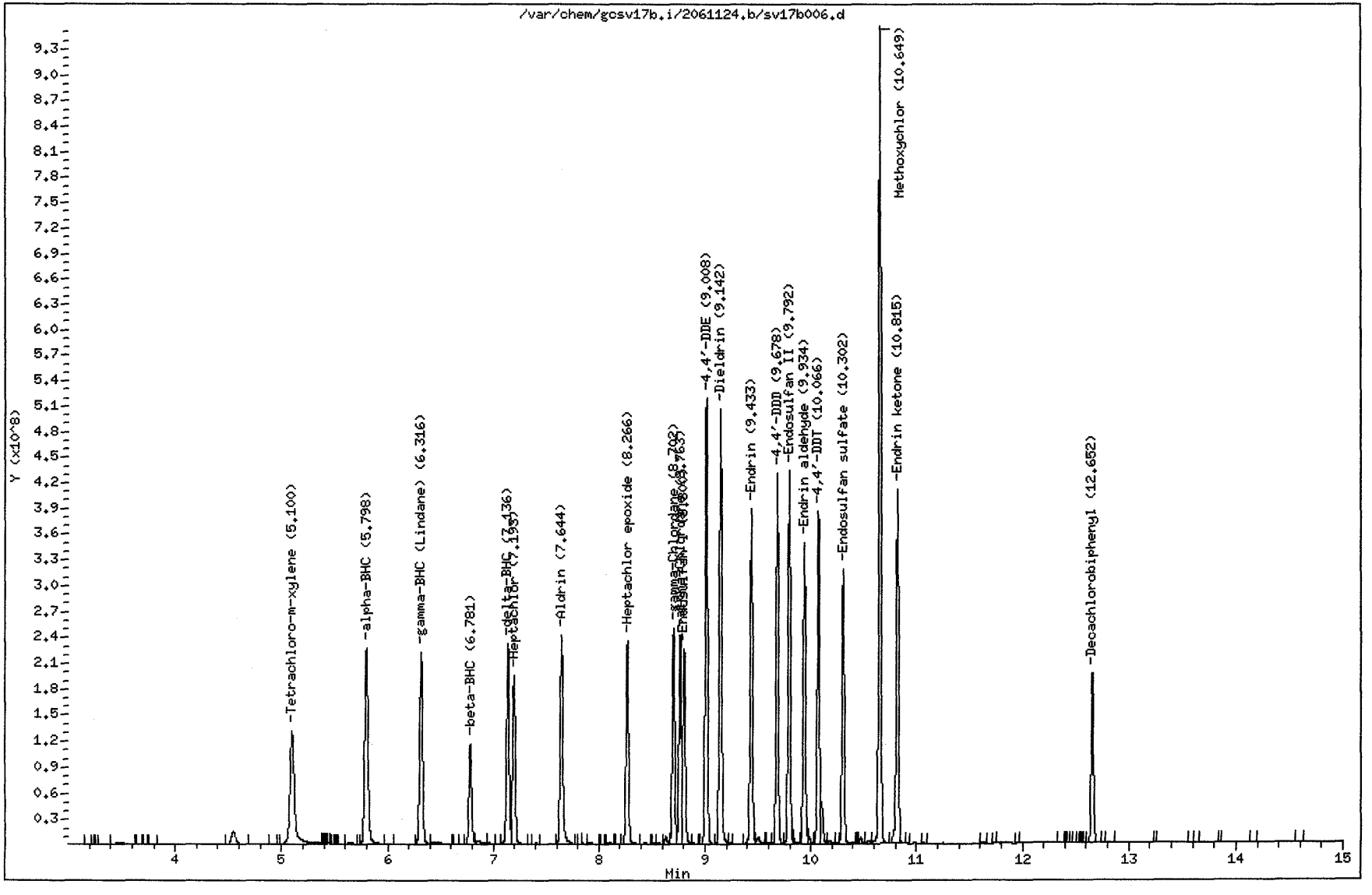
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.433	9.432	0.001	570286804	160.000	160
15	4,4'-DDD	9.678	9.679	-0.001	596704683	160.000	160
16	Endosulfan II	9.792	9.791	0.001	623188273	160.000	160
18	Endrin aldehyde	9.934	9.933	0.001	503705996	160.000	160
17	4,4'-DDT	10.066	10.067	-0.001	530114305	160.000	170
20	Endosulfan sulfate	10.302	10.301	0.001	456869395	160.000	170
19	Methoxychlor	10.649	10.649	0.000	1250178111	800.000	830
21	Endrin ketone	10.815	10.814	0.001	600169607	160.000	160
$ 22	Decachlorobiphenyl	12.652	12.651	0.001	280957518	80.0000	78

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b006.d
Date : 24-NOV-2006 18:49
Client ID:
Sample Info: 1204*1 80
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

000928



035016

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b007.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b007.d
Lab Smp Id: 1205
Inj Date : 24-NOV-2006 19:10
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1205*1 65-40-6
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 7 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	5.102	5.100	0.002	472001211	100.000	97
2	alpha-BHC	5.797	5.798	-0.001	597913139	100.000	100(A)
3	gamma-BHC (Lindane)	6.316	6.317	-0.001	514569886	100.000	100(A)
6	beta-BHC	6.781	6.780	0.001	241210187	100.000	96
7	delta-BHC	7.136	7.136	0.000	461261373	100.000	100(A)
4	Heptachlor	7.193	7.192	0.001	415099757	100.000	99
5	Aldrin	7.644	7.643	0.001	519794129	100.000	98
8	Heptachlor epoxide	8.266	8.267	-0.001	454399350	100.000	97
10	gamma-Chlordane	8.702	8.701	0.001	463352614	100.000	98
11	alpha-Chlordane	8.763	8.762	0.001	443550065	100.000	98
9	Endosulfan I	8.800	8.800	0.000	427262058	100.000	98
12	4,4'-DDE	9.009	9.009	0.000	915244096	200.000	190
13	Dieldrin	9.142	9.141	0.001	939955475	200.000	200

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b007.d
Report Date: 01-Dec-2006 12:53

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.434	9.433	0.001	710379472	200.000	200
	15 4,4'-DDD	9.679	9.679	0.000	737260744	200.000	200
	16 Endosulfan II	9.792	9.791	0.001	769610300	200.000	200
	18 Endrin aldehyde	9.935	9.933	0.002	618460041	200.000	190
	17 4,4'-DDT	10.067	10.067	0.000	665518779	200.000	210(A)
	20 Endosulfan sulfate	10.302	10.301	0.001	572627133	200.000	210(A)
	19 Methoxychlor	10.650	10.649	0.001	1584450912	1000.00	1000(A)
	21 Endrin ketone	10.815	10.814	0.001	749145688	200.000	200
$	22 Decachlorobiphenyl	12.652	12.651	0.001	345641327	100.000	96

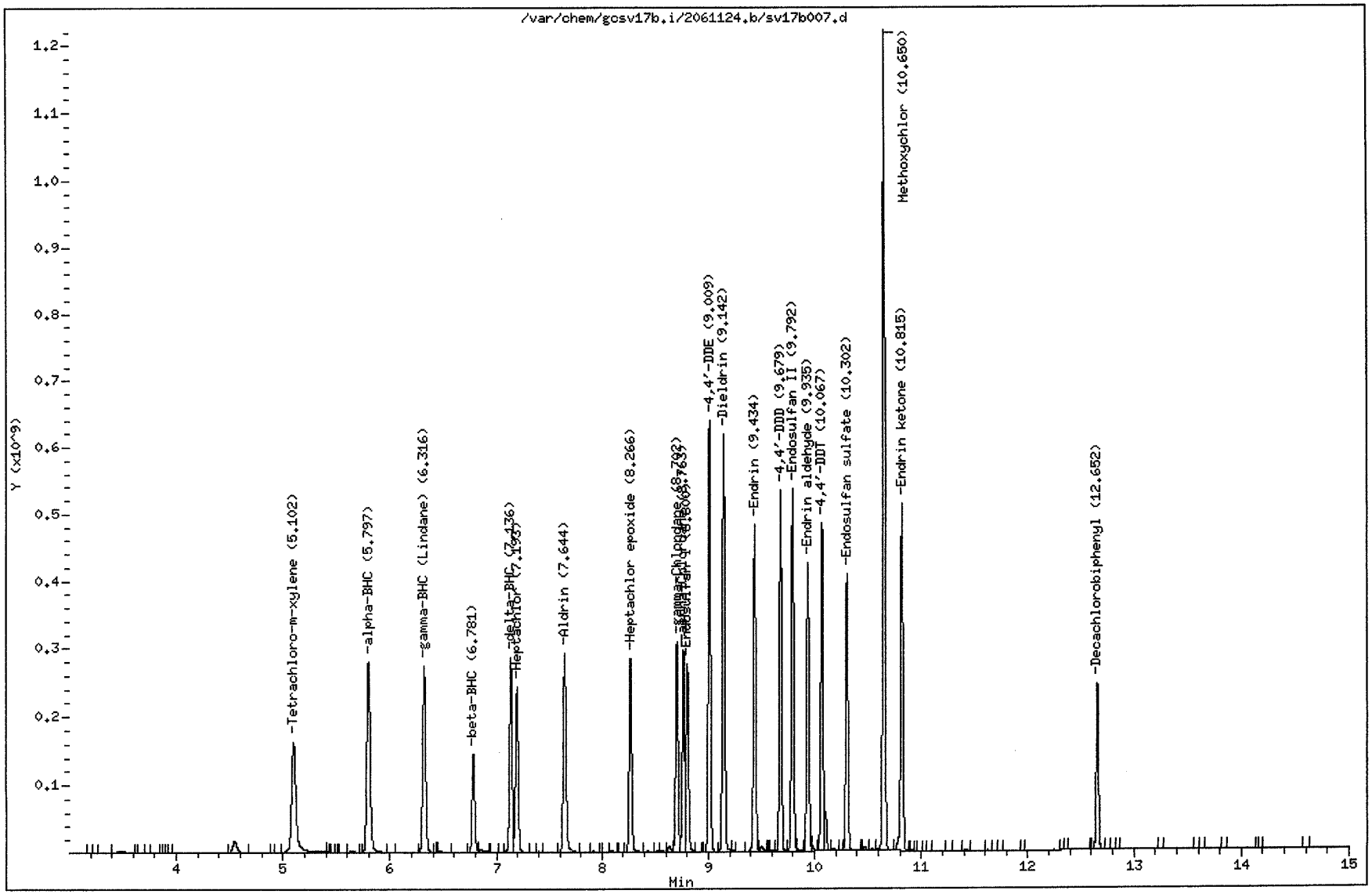
QC Flag Legend

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

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b007.d
Date : 24-NOV-2006 19:10
Client ID:
Sample Info: 1205x1 65-40-6
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000931



035019

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b009.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b009.d
Lab Smp Id: 1205
Inj Date : 24-NOV-2006 19:52
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1205*1 65-29-3
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlor.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	68 CHLORDANE-AVG				602600389	400.000	400
	69 CHLORDANE-PEAK1	6.882	6.881	0.001	81552559	400.000	400
	70 CHLORDANE-PEAK2	7.193	7.192	0.001	87070216	400.000	400
	71 CHLORDANE-PEAK3	8.702	8.701	0.001	251071929	400.000	400
	72 CHLORDANE-PEAK4	8.763	8.762	0.001	182905685	400.000	400

000932

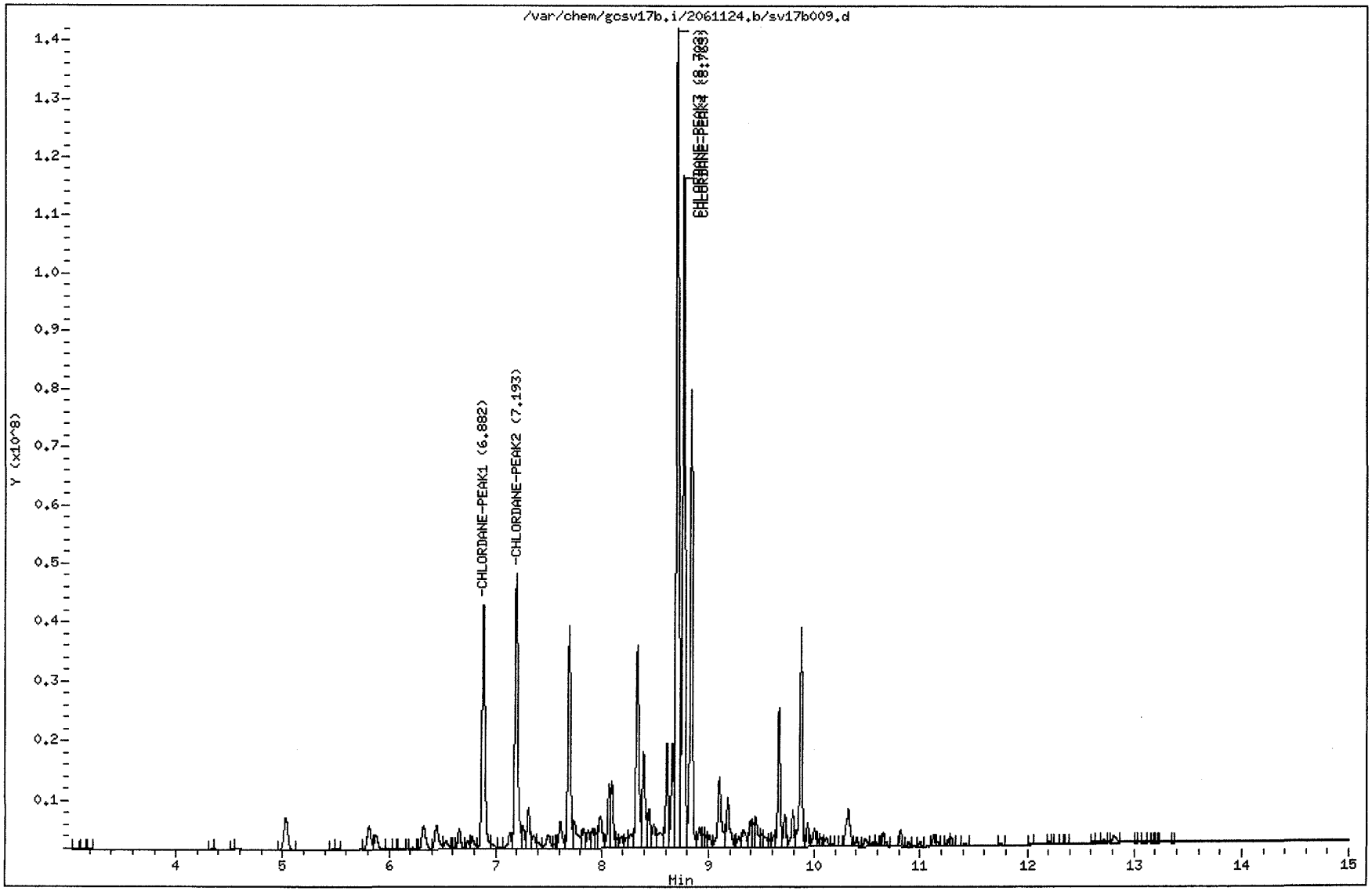
035020

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b009.d
Date : 24-NOV-2006 19:52
Client ID:
Sample Info: 1205x1 65-29-3
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

000933



035021

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b010.d
Report Date: 25-Nov-2006 12:21

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b010.d
Lab Smp Id: 1201
Inj Date : 24-NOV-2006 20:13
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1201*1 65-28-4
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 25-Nov-2006 12:21 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 20:13 Cal File: sv17b010.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)	
M	62 TOXAPHENE-AVG				125297897	250.000		(a)
	63 TOXAPHENE-PEAK1	10.203	10.201	0.002	29543076	250.000		(a)
	64 TOXAPHENE-PEAK2	10.296	10.298	-0.002	35587389	250.000		(a)
	65 TOXAPHENE-PEAK3	10.429	10.429	0.000	30007934	250.000		(a)
	66 TOXAPHENE-PEAK4	11.316	11.318	-0.002	30159498	250.000		(a)

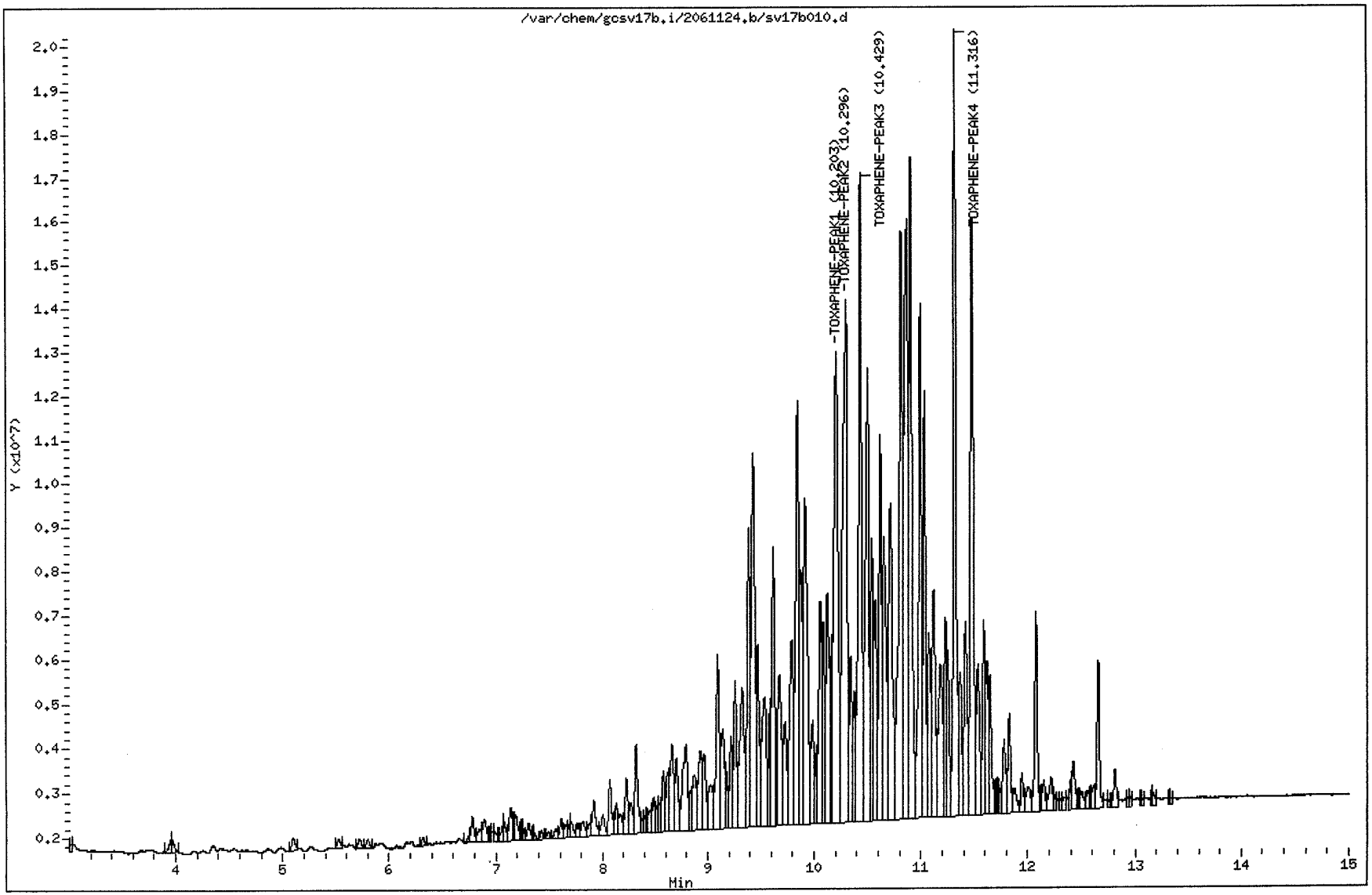
QC Flag Legend

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

000935

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b010.d
Date : 24-NOV-2006 20:13
Client ID:
Sample Info: 1201x1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



035023

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b011.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b011.d
Lab Smp Id: 1205
Inj Date : 24-NOV-2006 20:34
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1205*1 65-28-4
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 11 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)

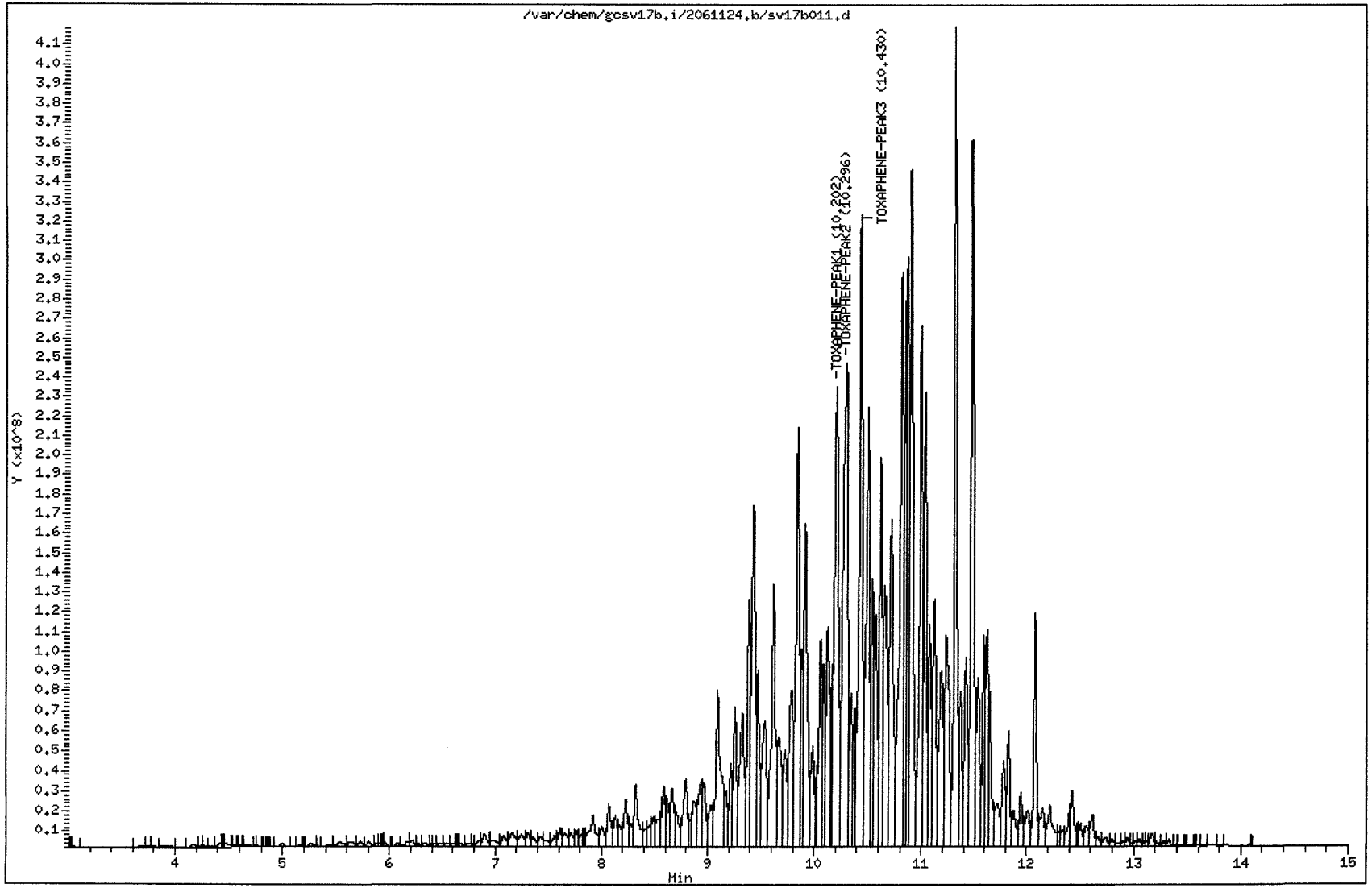
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds		RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	62 TOXAPHENE-AVG				2054494941	5000.00	5000
	63 TOXAPHENE-PEAK1	10.202	10.201	0.001	611028535	5000.00	5000
	64 TOXAPHENE-PEAK2	10.296	10.297	-0.001	768631778	5000.00	5000
	65 TOXAPHENE-PEAK3	10.430	10.430	0.000	674834628	5000.00	5000

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b011.d
Date : 24-NOV-2006 20:34
Client ID:
Sample Info: 1205*1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000937



035025

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b008.d
Report Date: 25-Nov-2006 12:21

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2061124
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/gcsv17b.i/2061124.b/pestXLB.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	58	96.16	85-115
3 gamma-BHC (Lindane)	60	58	97.18	85-115
6 beta-BHC	60	57	94.99	85-115
4 Heptachlor	60	57	94.44	85-115
7 delta-BHC	60	57	95.25	85-115
5 Aldrin	60	57	95.37	85-115
8 Heptachlor epoxide	60	57	94.86	85-115
10 gamma-Chlordane	60	59	97.89	85-115
11 alpha-Chlordane	60	58	96.93	85-115
9 Endosulfan I	60	57	94.31	85-115
12 4,4'-DDE	60	58	96.52	85-115
13 Dieldrin	60	58	97.31	85-115
14 Endrin	60	58	96.01	85-115
15 4,4'-DDD	60	59	98.06	85-115
16 Endosulfan II	60	57	95.03	85-115
17 4,4'-DDT	60	57	94.85	85-115
18 Endrin aldehyde	60	58	97.03	85-115
20 Endosulfan sulfate	60	59	98.96	85-115
19 Methoxychlor	60	64	106.64	85-115
21 Endrin ketone	60	58	97.28	85-115

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

000938

035026

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b008.d
Report Date: 25-Nov-2006 12:21

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b008.d
Lab Smp Id: 1600
Inj Date : 24-NOV-2006 19:31
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1600*1 65-35-7
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 25-Nov-2006 12:21 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 19:10 Cal File: sv17b007.d
Als bottle: 8 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)

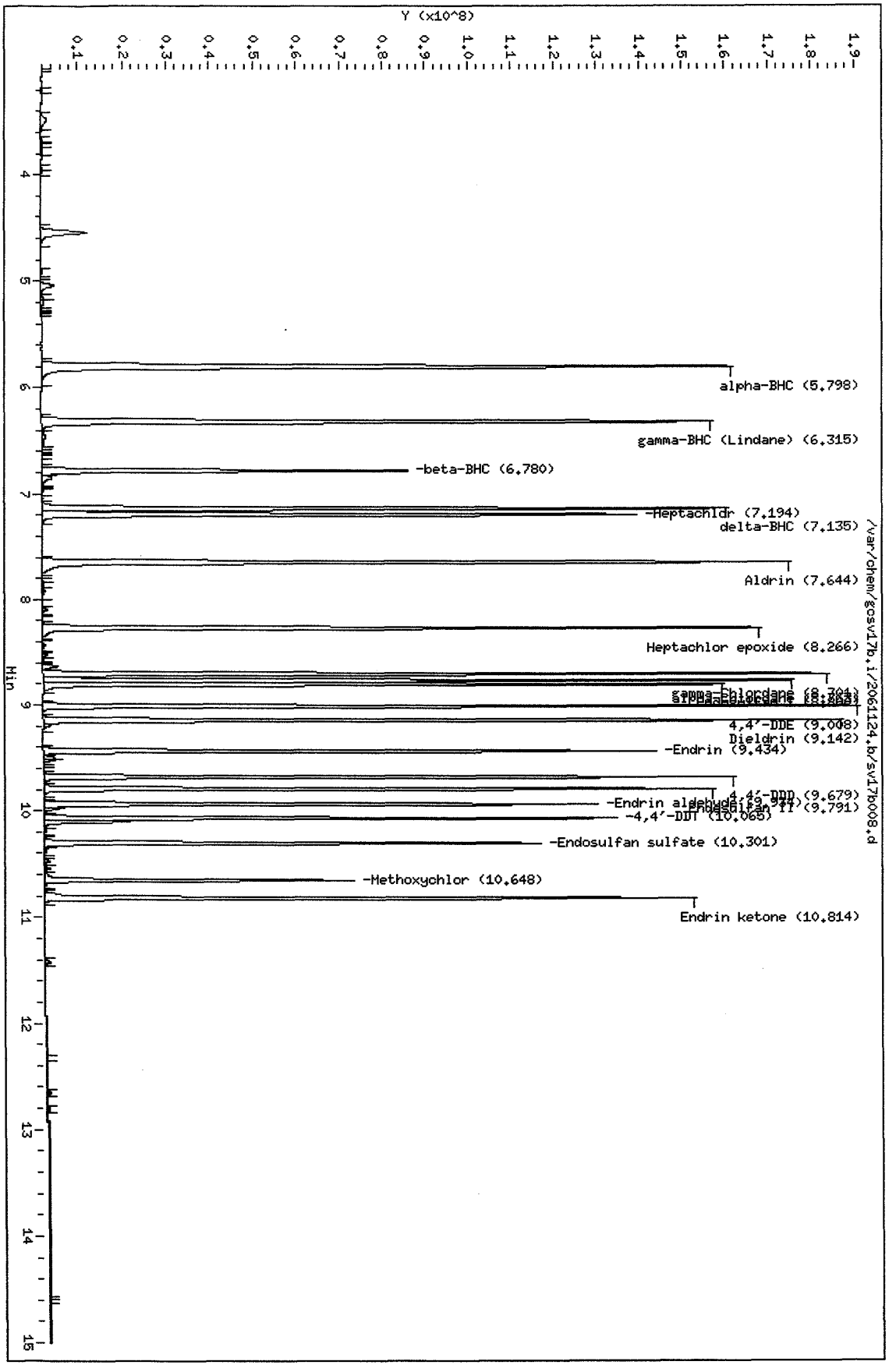
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
2	alpha-BHC	5.798	5.798	0.000	343592812	57.6930	58
3	gamma-BHC (Lindane)	6.315	6.318	-0.003	298377199	58.3054	58
6	beta-BHC	6.780	6.780	0.000	143594949	56.9932	57
7	delta-BHC	7.135	7.136	-0.001	258834894	57.1523	57
4	Heptachlor	7.194	7.192	0.002	237494211	56.6651	57
5	Aldrin	7.644	7.642	0.002	305000352	57.2196	57
8	Heptachlor epoxide	8.266	8.268	-0.002	266011528	56.9148	57
10	gamma-Chlordane	8.701	8.701	0.000	276889688	58.7355	59
11	alpha-Chlordane	8.763	8.762	0.001	262871006	58.1609	58
9	Endosulfan I	8.800	8.800	0.000	247659087	56.5852	57
12	4,4'-DDE	9.008	9.009	-0.001	275244610	57.9100	58
13	Dieldrin	9.142	9.141	0.001	278970586	58.3872	58
14	Endrin	9.434	9.432	0.002	208975646	57.6031	58

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b008.d
Report Date: 25-Nov-2006 12:21

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
15 4,4'-DDD	9.679	9.679	0.000	220708791	58.8339	59
16 Endosulfan II	9.791	9.791	0.000	223320639	57.0154	57
18 Endrin aldehyde	9.934	9.933	0.001	185283435	58.2154	58
17 4,4'-DDT	10.065	10.068	-0.003	182349177	56.9083	57
20 Endosulfan sulfate	10.301	10.301	0.000	164277022	59.3785	59
19 Methoxychlor	10.648	10.649	-0.001	96606103	63.9853	64
21 Endrin ketone	10.814	10.813	0.001	219639291	58.3677	58

035028



000941

035029

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b037.d
Report Date: 05-Jan-2007 09:34

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b037.d
Lab Smp Id: deg
Inj Date : 05-JAN-2007 09:29
Operator : tls Inst ID: gcsv17b.i
Smp Info : deg*1 65-46-2
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 04-Jan-2007 14:03 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 37
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.999	9.007	-0.008	9178125	1.93103	0.019
15 4,4'-DDD	9.673	9.678	-0.005	22796274	6.07676	0.061
17 4,4'-DDT	10.056	10.066	-0.010	1150771649	359.138	3.6(A)
18 Endrin aldehyde	9.928	9.931	-0.003	11270668	3.54120	0.035
21 Endrin ketone	10.807	10.812	-0.005	38971203	10.3563	0.10
14 Endrin	9.424	9.431	-0.007	1247400046	343.840	3.4(A)

QC Flag Legend

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

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

$$\frac{22796274 + 9178125}{22796274 + 9178125 + 1150771649} \times 100 = 2.7\ \%$$

DDT Breakdown: Criteria < 15%

==========

Endrin Breakdown: Formula

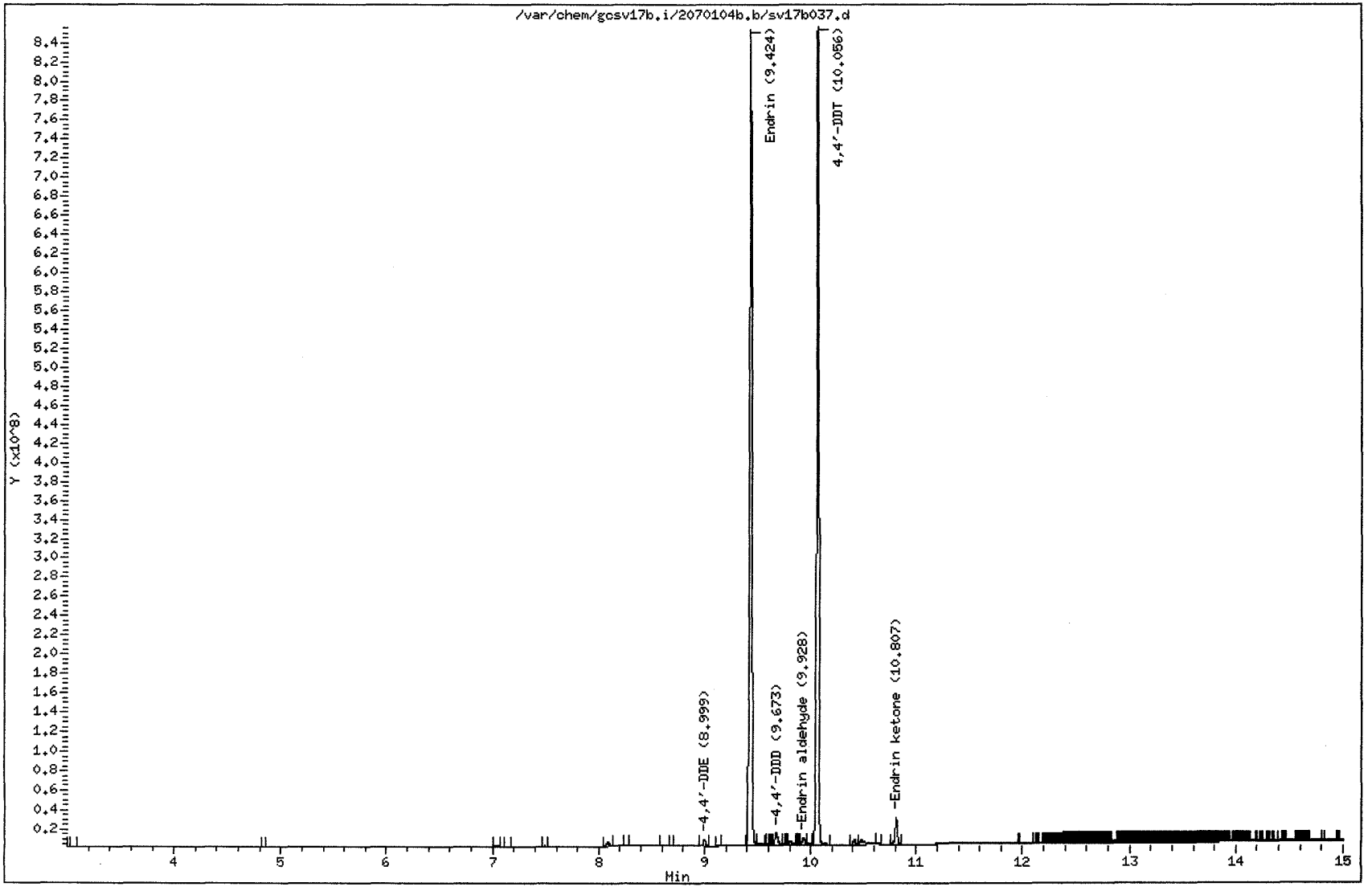
$$\frac{(\text{Area Endrin ketone}) + (\text{Area Endrin aldehyde})}{(\text{Area End ket}) + (\text{Area End ald}) + (\text{Area Endrin})} \times 100$$

Endrin Breakdown: Calculation

$$\frac{38971203 + 11270668}{38971203 + 11270668 + 1247400046} \times 100 = 3.9\ \%$$

Endrin Breakdown: Criteria < 15%

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b037.d
Date : 05-JAN-2007 09:29
Client ID:
Instrument: gcsv17b.i
Sample Info: deg*1 65-46-2
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32



Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b038.d
Report Date: 05-Jan-2007 10:01

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17b.i Injection Date: 05-JAN-2007 09:50
Lab File ID: sv17b038.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:25 01:08
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17b.i/2070104b.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	4880117	4364661	0.010	10.56237	15.00000	Averaged	
2 alpha-BHC	5955537	6111572	0.010	-2.61999	15.00000	Averaged	
3 gamma-BHC (Lindane)	5117485	5352921	0.010	-4.60063	15.00000	Averaged	
6 beta-BHC	2519512	2448941	0.010	2.80099	15.00000	Averaged	
7 delta-BHC	4528866	5072777	0.010	-12.00987	15.00000	Averaged	
4 Heptachlor	4191193	4300294	0.010	-2.60312	15.00000	Averaged	
5 Aldrin	5330344	5110370	0.010	4.12682	15.00000	Averaged	
8 Heptachlor epoxide	4673857	4573159	0.010	2.15449	15.00000	Averaged	
10 gamma-Chlordane	4714183	4529973	0.010	3.90757	15.00000	Averaged	
11 alpha-Chlordane	4519717	4367457	0.010	3.36880	15.00000	Averaged	
9 Endosulfan I	4376746	4301557	0.010	1.71793	15.00000	Averaged	
12 4,4'-DDE	4752976	4508018	0.010	5.15377	15.00000	Averaged	
13 Dieldrin	4777944	4624596	0.010	3.20951	15.00000	Averaged	
14 Endrin	3627856	3939181	0.010	-8.58153	15.00000	Averaged	
15 4,4'-DDD	3751388	3785180	0.010	-0.90077	15.00000	Averaged	
16 Endosulfan II	3916846	3917597	0.010	-0.01917	15.00000	Averaged	
18 Endrin aldehyde	3182724	3125132	0.010	1.80950	15.00000	Averaged	
17 4,4'-DDT	3204261	3445447	0.010	-7.52704	15.00000	Averaged	
20 Endosulfan sulfate	2766607	3352635	0.010	-21.18219	15.00000	Averaged	<-
19 Methoxychlor	1509817	1704113	0.010	-12.86885	15.00000	Averaged	
21 Endrin ketone	3763029	4161025	0.010	-10.57649	15.00000	Averaged	
$ 22 Decachlorobiphenyl	3586964	3538567	0.010	1.34924	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 5.62048
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

000945

035033

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b038.d
Report Date: 05-Jan-2007 10:01

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b038.d
Lab Smp Id: 1400
Inj Date : 05-JAN-2007 09:50
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1400*1 65-45-4
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 05-Jan-2007 10:01 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 38 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	5.094	5.099	-0.005	261879648	60.0000	54
2	alpha-BHC	5.791	5.797	-0.006	366694292	60.0000	62
3	gamma-BHC (Lindane)	6.310	6.317	-0.007	321175265	60.0000	63
6	beta-BHC	6.781	6.780	0.001	146936446	60.0000	58
7	delta-BHC	7.136	7.137	-0.001	304366603	60.0000	67
4	Heptachlor	7.184	7.190	-0.006	258017666	60.0000	62
5	Aldrin	7.633	7.640	-0.007	306622228	60.0000	58
8	Heptachlor epoxide	8.255	8.266	-0.011	274389560	60.0000	59
10	gamma-Chlordane	8.692	8.699	-0.007	271798359	60.0000	58
11	alpha-Chlordane	8.752	8.760	-0.008	262047445	60.0000	58
9	Endosulfan I	8.789	8.798	-0.009	258093419	60.0000	59
12	4,4'-DDE	8.998	9.007	-0.009	540962192	120.000	110
13	Dieldrin	9.131	9.139	-0.008	554951496	120.000	120

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b038.d
Report Date: 05-Jan-2007 10:01

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.424	9.431	-0.007	472701703	120.000	130
15 4,4'-DDD	9.670	9.678	-0.008	454221547	120.000	120
16 Endosulfan II	9.784	9.790	-0.006	470111607	120.000	120
18 Endrin aldehyde	9.926	9.931	-0.005	375015859	120.000	120
17 4,4'-DDT	10.056	10.066	-0.010	413453631	120.000	130
20 Endosulfan sulfate	10.294	10.300	-0.006	402316209	120.000	150
19 Methoxychlor	10.639	10.648	-0.009	1022467679	600.000	680
21 Endrin ketone	10.807	10.812	-0.005	499323047	120.000	130
$ 22 Decachlorobiphenyl	12.637	12.648	-0.011	212314012	60.0000	59

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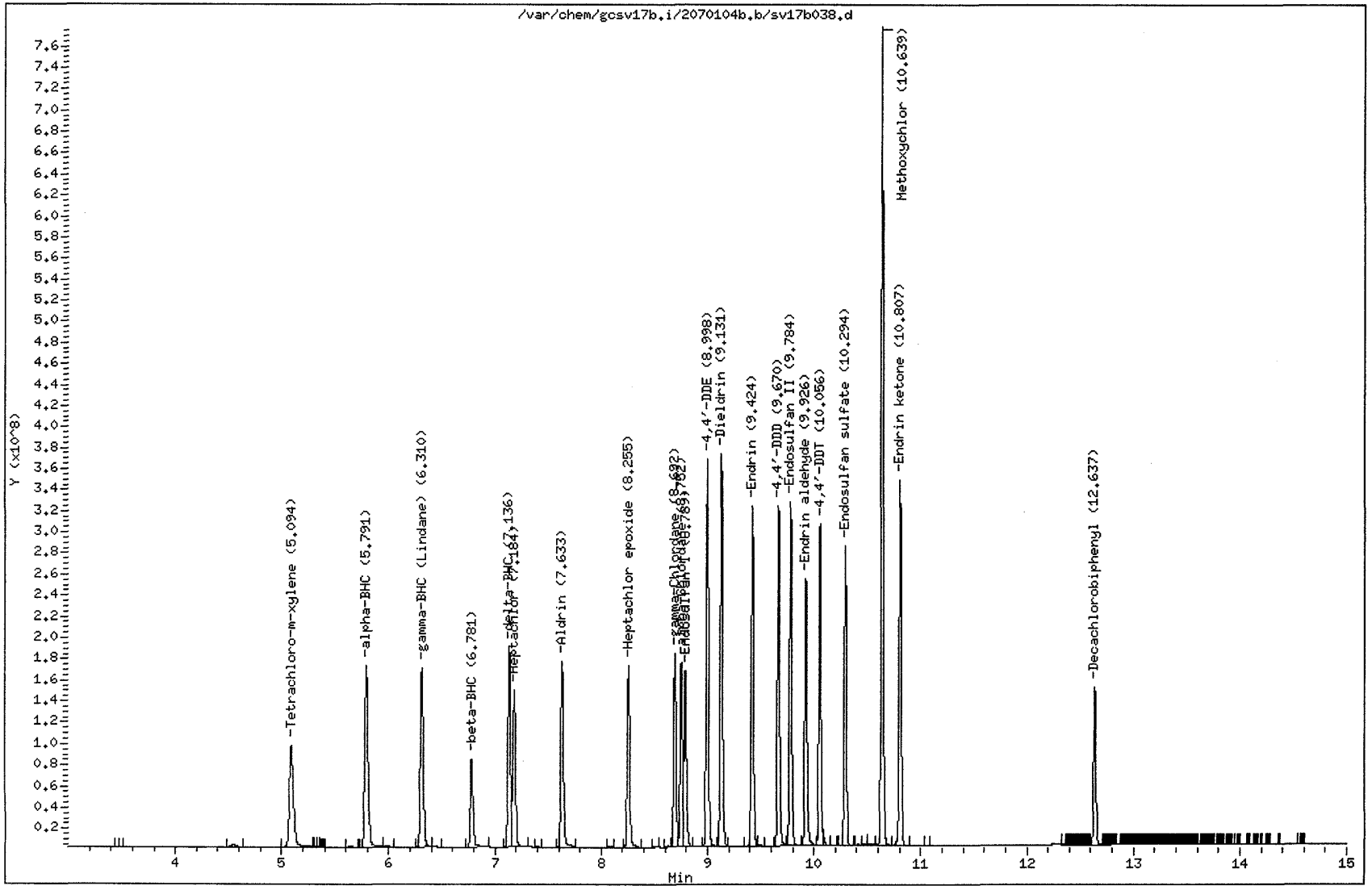
Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b038.d
Date : 05-JAN-2007 09:50
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000948



Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b050.d
Report Date: 05-Jan-2007 16:11

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17b.i Injection Date: 05-JAN-2007 16:04
Lab File ID: sv17b050.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:25 01:08
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17b.i/2070104b.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	4880117	4289474	0.010	12.10305	15.00000	Averaged	
2 alpha-BHC	5955537	5975611	0.010	-0.33706	15.00000	Averaged	
3 gamma-BHC (Lindane)	5117485	5277299	0.010	-3.12290	15.00000	Averaged	
6 beta-BHC	2519512	2358958	0.010	6.37241	15.00000	Averaged	
7 delta-BHC	4528866	4888535	0.010	-7.94170	15.00000	Averaged	
4 Heptachlor	4191193	4317162	0.010	-3.00557	15.00000	Averaged	
5 Aldrin	5330344	4994041	0.010	6.30922	15.00000	Averaged	
8 Heptachlor epoxide	4673857	4494494	0.010	3.83758	15.00000	Averaged	
10 gamma-Chlordane	4714183	4360727	0.010	7.49771	15.00000	Averaged	
11 alpha-Chlordane	4519717	4154293	0.010	8.08511	15.00000	Averaged	
9 Endosulfan I	4376746	4220357	0.010	3.57320	15.00000	Averaged	
12 4,4'-DDE	4752976	4371586	0.010	8.02422	15.00000	Averaged	
13 Dieldrin	4777944	4539485	0.010	4.99083	15.00000	Averaged	
14 Endrin	3627856	3898364	0.010	-7.45643	15.00000	Averaged	
15 4,4'-DDD	3751388	3610922	0.010	3.74436	15.00000	Averaged	
16 Endosulfan II	3916846	3781339	0.010	3.45958	15.00000	Averaged	
18 Endrin aldehyde	3182724	2978631	0.010	6.41251	15.00000	Averaged	
17 4,4'-DDT	3204261	3265695	0.010	-1.91725	15.00000	Averaged	
20 Endosulfan sulfate	2766607	3263623	0.010	-17.96481	15.00000	Averaged	<-
19 Methoxychlor	1509817	1732251	0.010	-14.73255	15.00000	Averaged	
21 Endrin ketone	3763029	3984466	0.010	-5.88454	15.00000	Averaged	
$ 22 Decachlorobiphenyl	3586964	3469044	0.010	3.28744	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 6.36637
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b050.d
Report Date: 05-Jan-2007 16:11

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b050.d
Lab Smp Id: 1400
Inj Date : 05-JAN-2007 16:04
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1400*1 65-45-4
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 05-Jan-2007 16:11 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 50 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	5.094	5.099	-0.005	257368433	60.0000	53
2	alpha-BHC	5.791	5.797	-0.006	358536644	60.0000	60
3	gamma-BHC (Lindane)	6.310	6.317	-0.007	316637925	60.0000	62
6	beta-BHC	6.782	6.781	0.001	141537508	60.0000	56
7	delta-BHC	7.136	7.137	-0.001	293312086	60.0000	65
4	Heptachlor	7.184	7.190	-0.006	259029718	60.0000	62
5	Aldrin	7.633	7.641	-0.008	299642472	60.0000	56
8	Heptachlor epoxide	8.256	8.266	-0.010	269669652	60.0000	58
10	gamma-Chlordane	8.692	8.699	-0.007	261643635	60.0000	56
11	alpha-Chlordane	8.753	8.760	-0.007	249257592	60.0000	55
9	Endosulfan I	8.790	8.798	-0.008	253221396	60.0000	58
12	4,4'-DDE	8.999	9.007	-0.008	524590358	120.000	110
13	Dieldrin	9.132	9.139	-0.007	544738255	120.000	110

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b050.d
Report Date: 05-Jan-2007 16:11

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.425	9.431	-0.006	467803676	120.000	130
	15 4,4'-DDD	9.670	9.678	-0.008	433310698	120.000	120
	16 Endosulfan II	9.785	9.790	-0.005	453760731	120.000	120
	18 Endrin aldehyde	9.928	9.931	-0.003	357435726	120.000	110
	17 4,4'-DDT	10.057	10.066	-0.009	391883347	120.000	120
	20 Endosulfan sulfate	10.295	10.300	-0.005	391634732	120.000	140
	19 Methoxychlor	10.640	10.648	-0.008	1039350674	600.000	690
	21 Endrin ketone	10.808	10.812	-0.004	478135918	120.000	130
$	22 Decachlorobiphenyl	12.640	12.649	-0.009	208142654	60.0000	58

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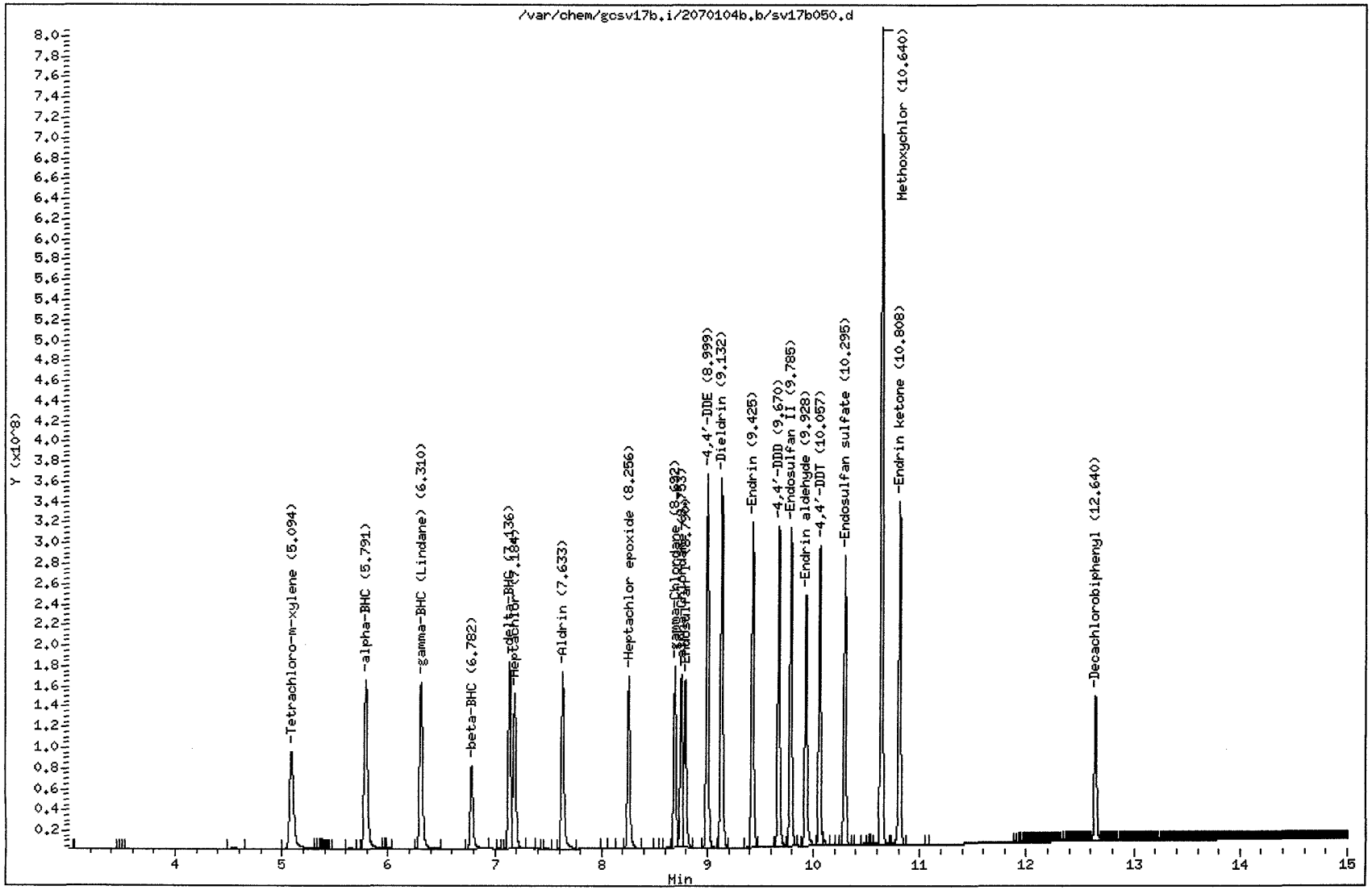
Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b050.d
Date : 05-JAN-2007 16:04
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

000952



Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

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

000953

035041

Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

035042

Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

035043

Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

000956

035044

Report Date : 10-Jan-2007 14:09

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

000957

035045

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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

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

035046

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown: Formula

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

DDT Breakdown: Calculation

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

DDT Breakdown: Criteria < 15%

==========

Endrin Breakdown: Formula

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

Endrin Breakdown: Calculation

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

Endrin Breakdown: Criteria < 15%

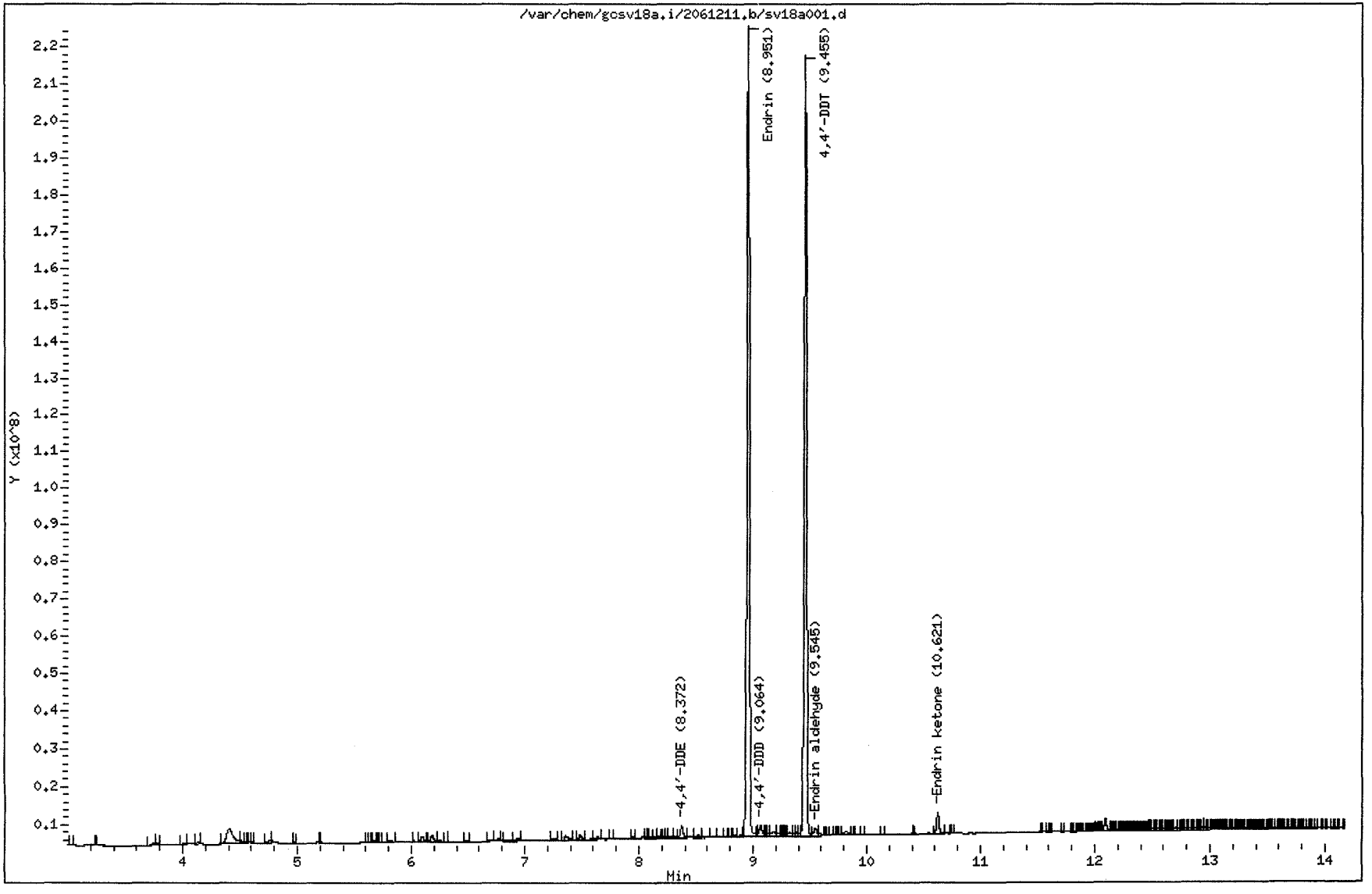
000959

035047

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

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

000960



035048

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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

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

000961

035049

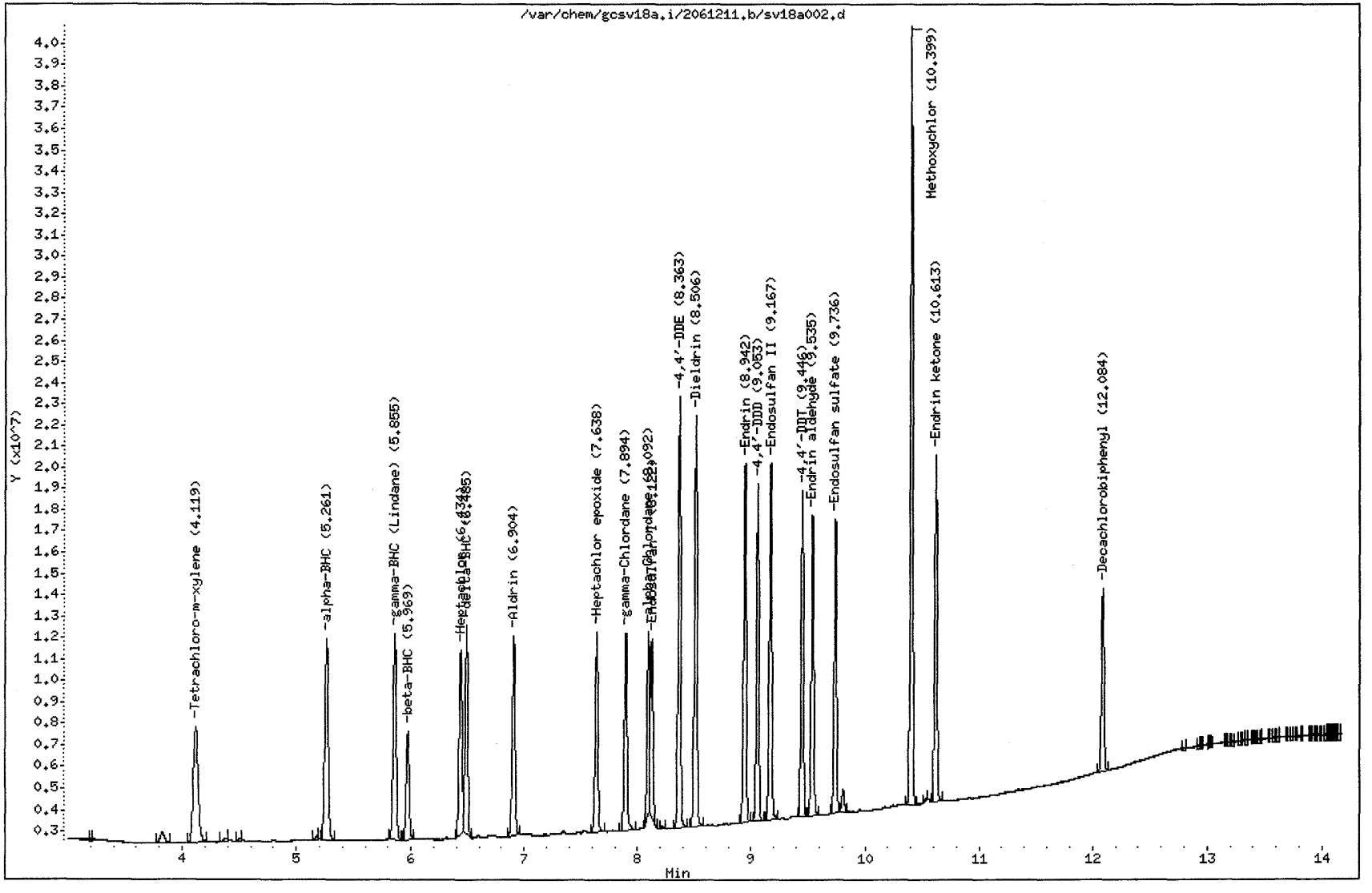
Data File: /var/chem/gcsv18a.i/2061211.b/sv18a002.d
Report Date: 13-Dec-2006 16:18

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

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a002.d
Date : 11-DEC-2006 19:00
Client ID:
Sample Info: 1206x1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

000963



035051

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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

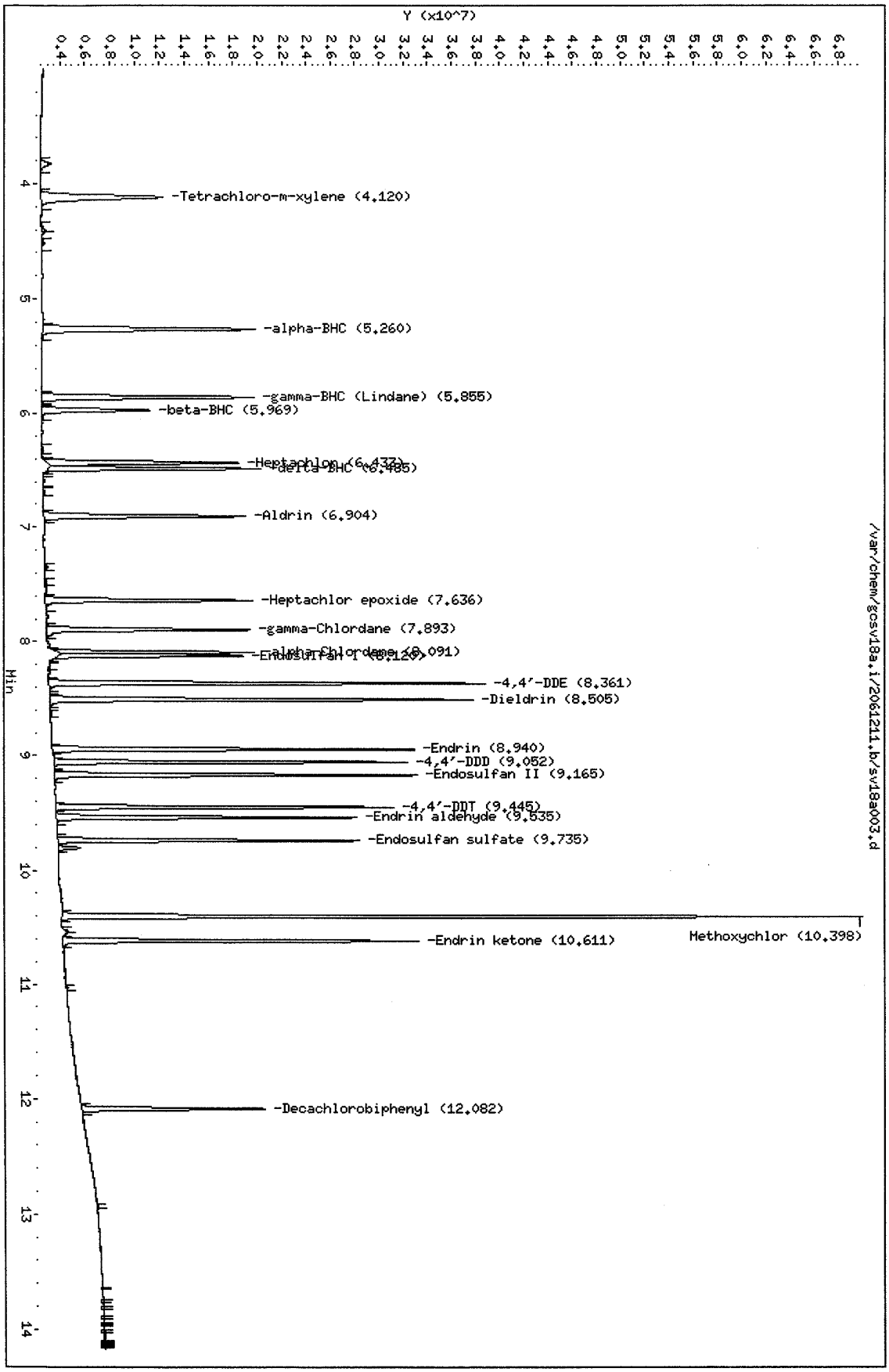
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.120	4.118	0.002	27687186	5.00000	5.2
2	alpha-BHC	5.260	5.259	0.001	35340998	5.00000	4.8
3	gamma-BHC (Lindane)	5.855	5.854	0.001	31913888	5.00000	5.0
6	beta-BHC	5.969	5.968	0.001	15982340	5.00000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

000964

035052

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

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



Data File: /var/chem/gcsv18a.i/20061211.b/sv18a003.d
Date : 11-DEC-2006 19:18
Client ID:
Sample Info: 1201x1 5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

000966

035054

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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

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

000967

035055

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

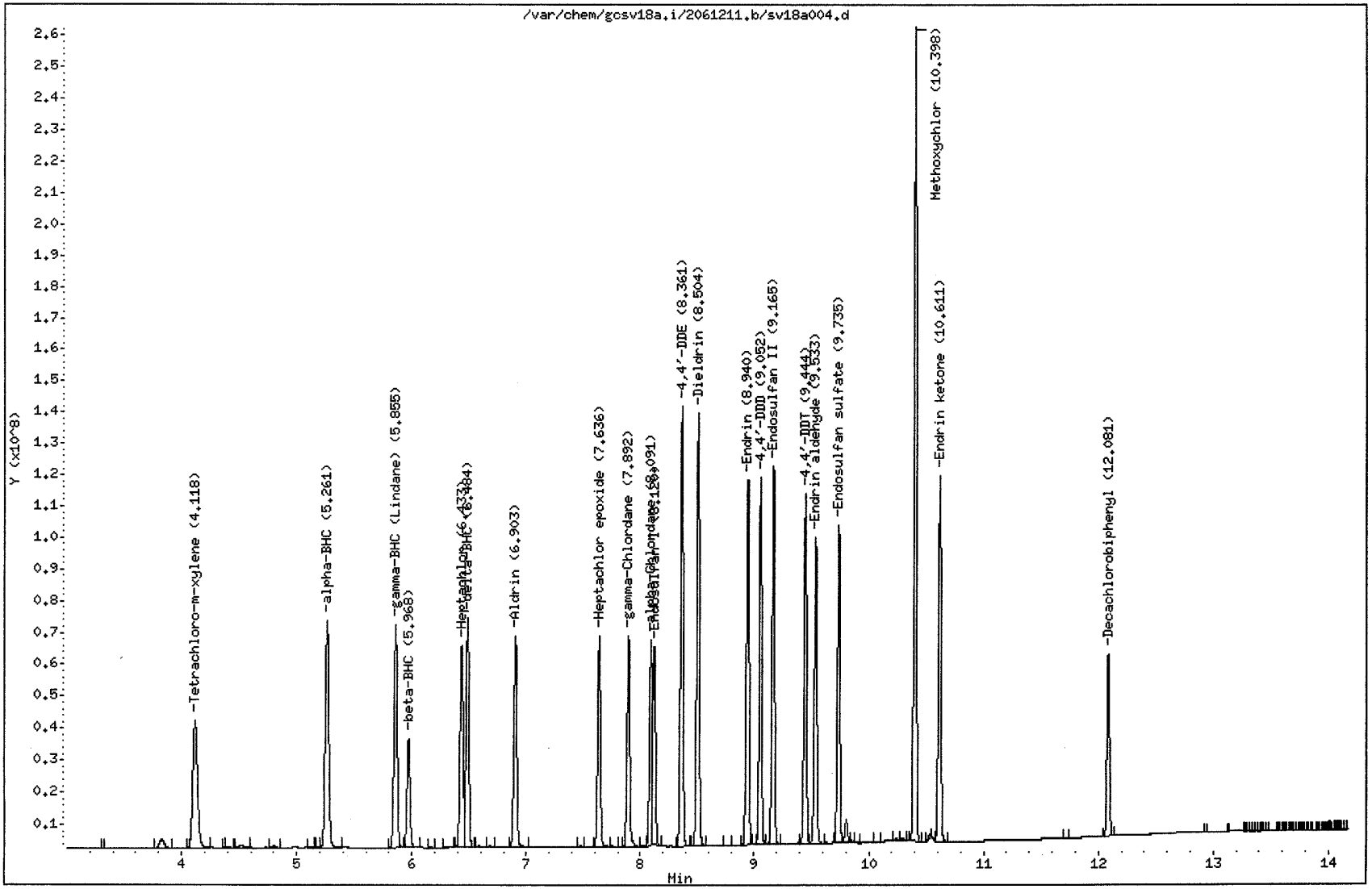
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.940	8.939	0.001	176583224	40.0000	41
	15 4,4'-DDD	9.052	9.051	0.001	163317648	40.0000	41
	16 Endosulfan II	9.165	9.164	0.001	178886162	40.0000	41
	17 4,4'-DDT	9.444	9.443	0.001	158342445	40.0000	40
	18 Endrin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

035056

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a004.d
Date : 11-DEC-2006 19:37
Client ID:
Sample Info: 1202x1 20
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

000959



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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

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

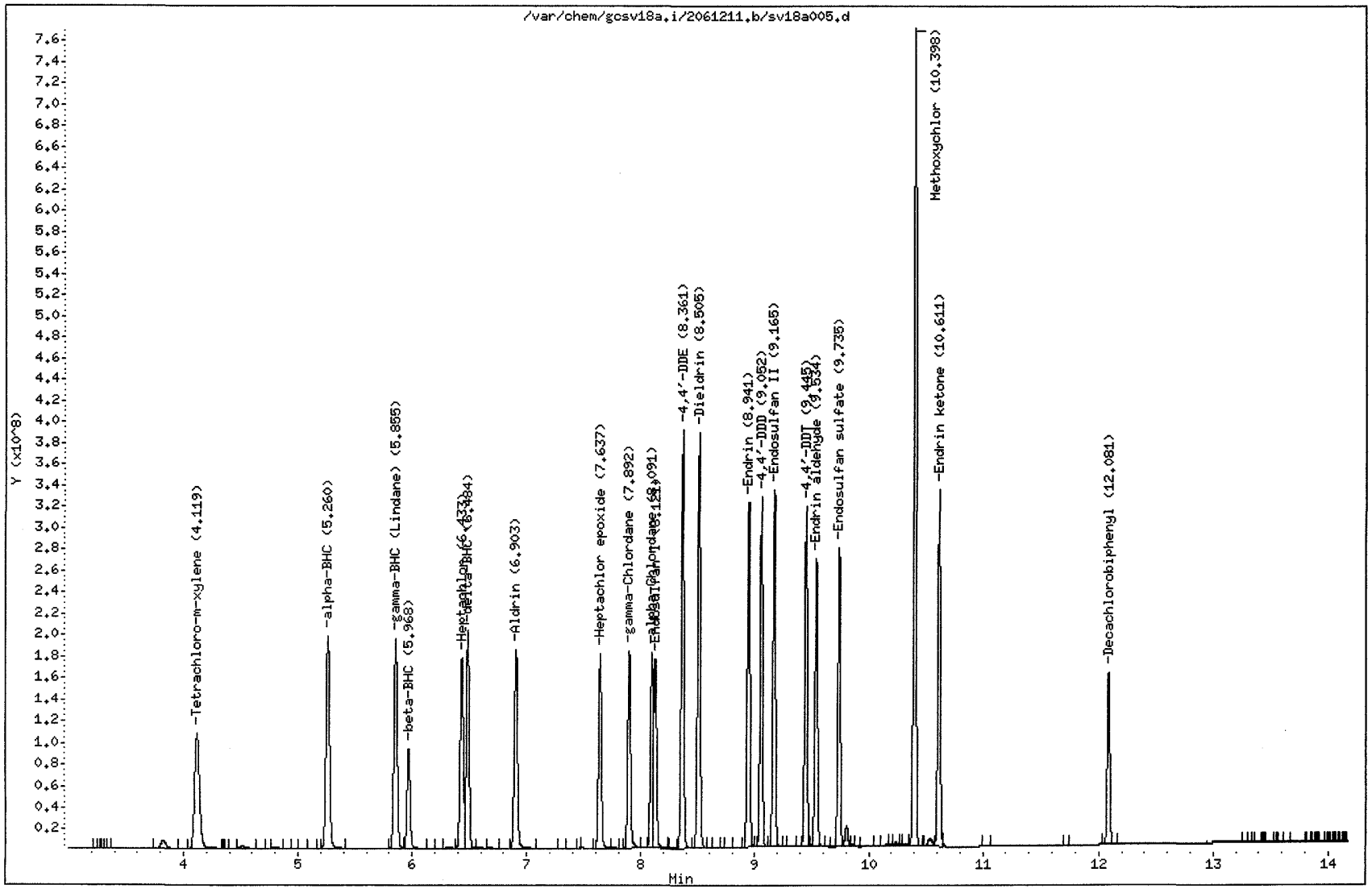
Data File: /var/chem/gcsv18a.i/2061211.b/sv18a005.d
Report Date: 13-Dec-2006 16:18

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

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a005.d
Date : 11-DEC-2006 19:56
Client ID:
Sample Info: 1203*1 60
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

000972



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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

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

000973

035061

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

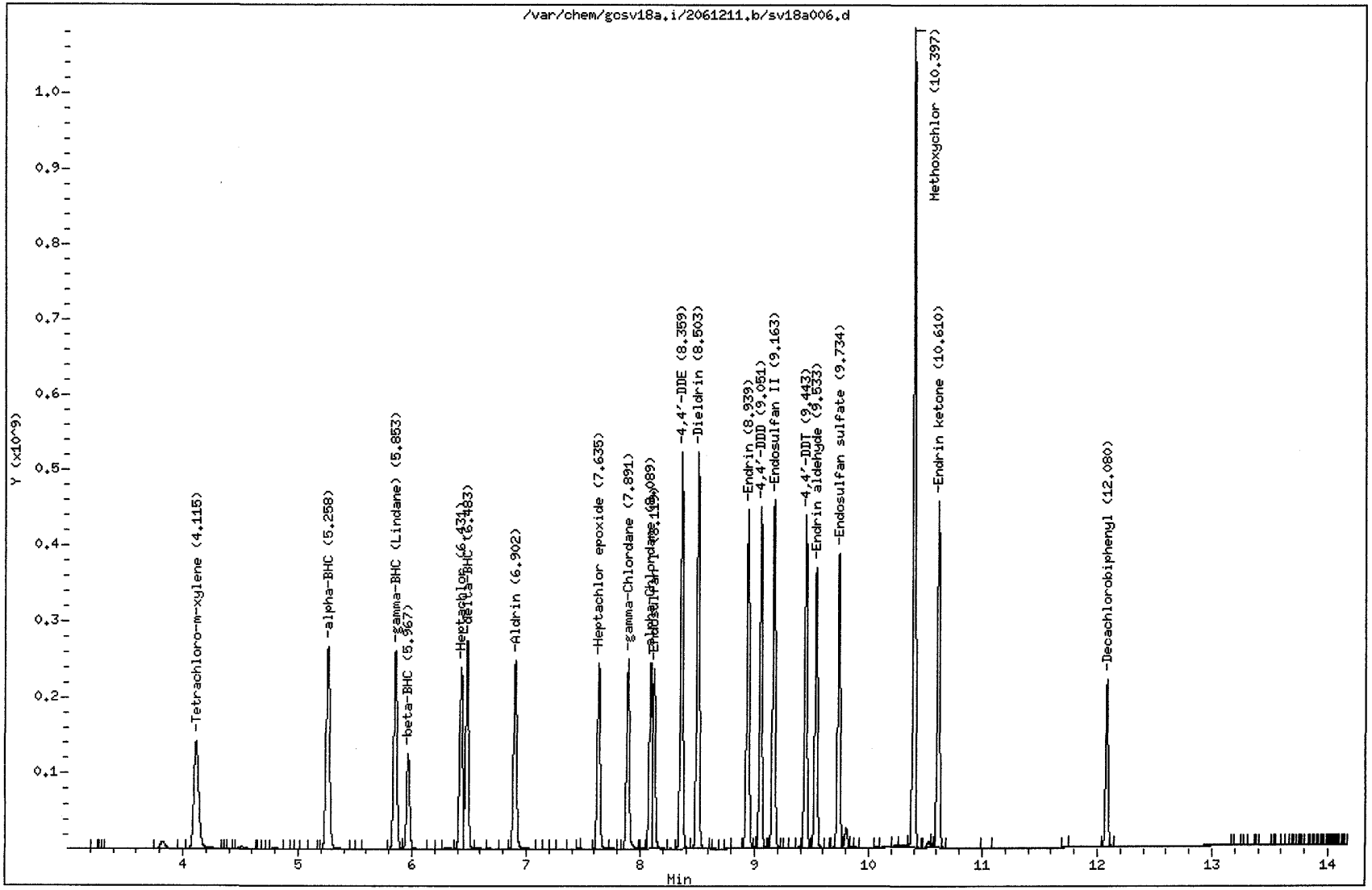
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
15	4,4'-DDD	9.051	9.051	0.000	638040084	160.000	160
16	Endosulfan II	9.163	9.164	-0.001	688989144	160.000	160
17	4,4'-DDT	9.443	9.443	0.000	625991492	160.000	160
18	Endrin aldehyde	9.533	9.532	0.001	550856574	160.000	160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

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

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

000975



035063

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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

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

000976

035064

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

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

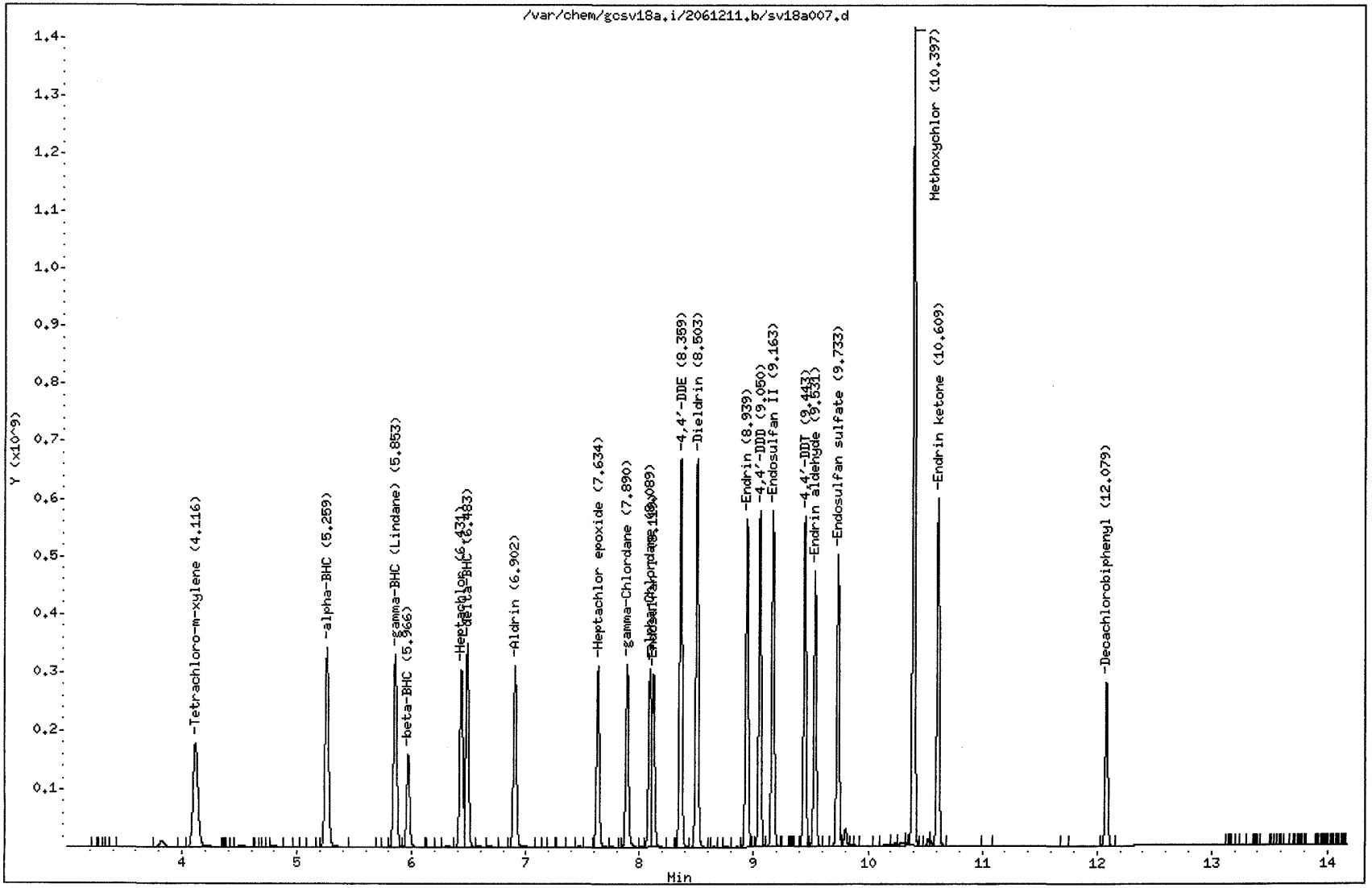
QC Flag Legend

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

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a007.d
Date : 11-DEC-2006 20:33
Client ID:
Sample Info: 1205M1 65-43-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

000978



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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

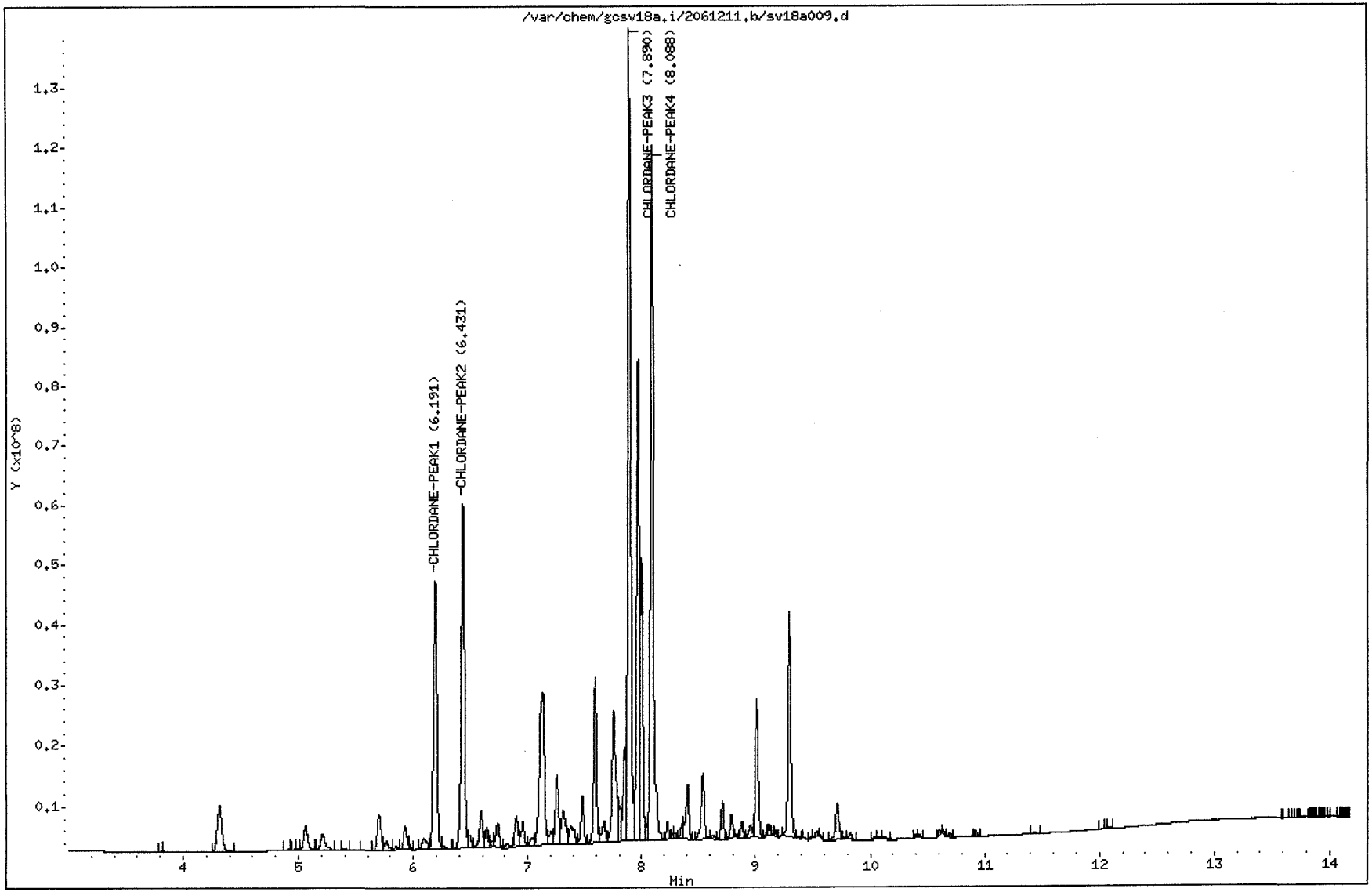
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	68 CHLORDANE-AVG				630854296	400.000	400
	69 CHLORDANE-PEAK1	6.191	6.191	0.000	88842042	400.000	400
	70 CHLORDANE-PEAK2	6.431	6.430	0.001	107752203	400.000	400
	71 CHLORDANE-PEAK3	7.890	7.890	0.000	231413666	400.000	400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

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a009.d
Date : 11-DEC-2006 21:10
Client ID:
Sample Info: 1205*1 65-29-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

000980



035068

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

Gulf Coast Analytical Services

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

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

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

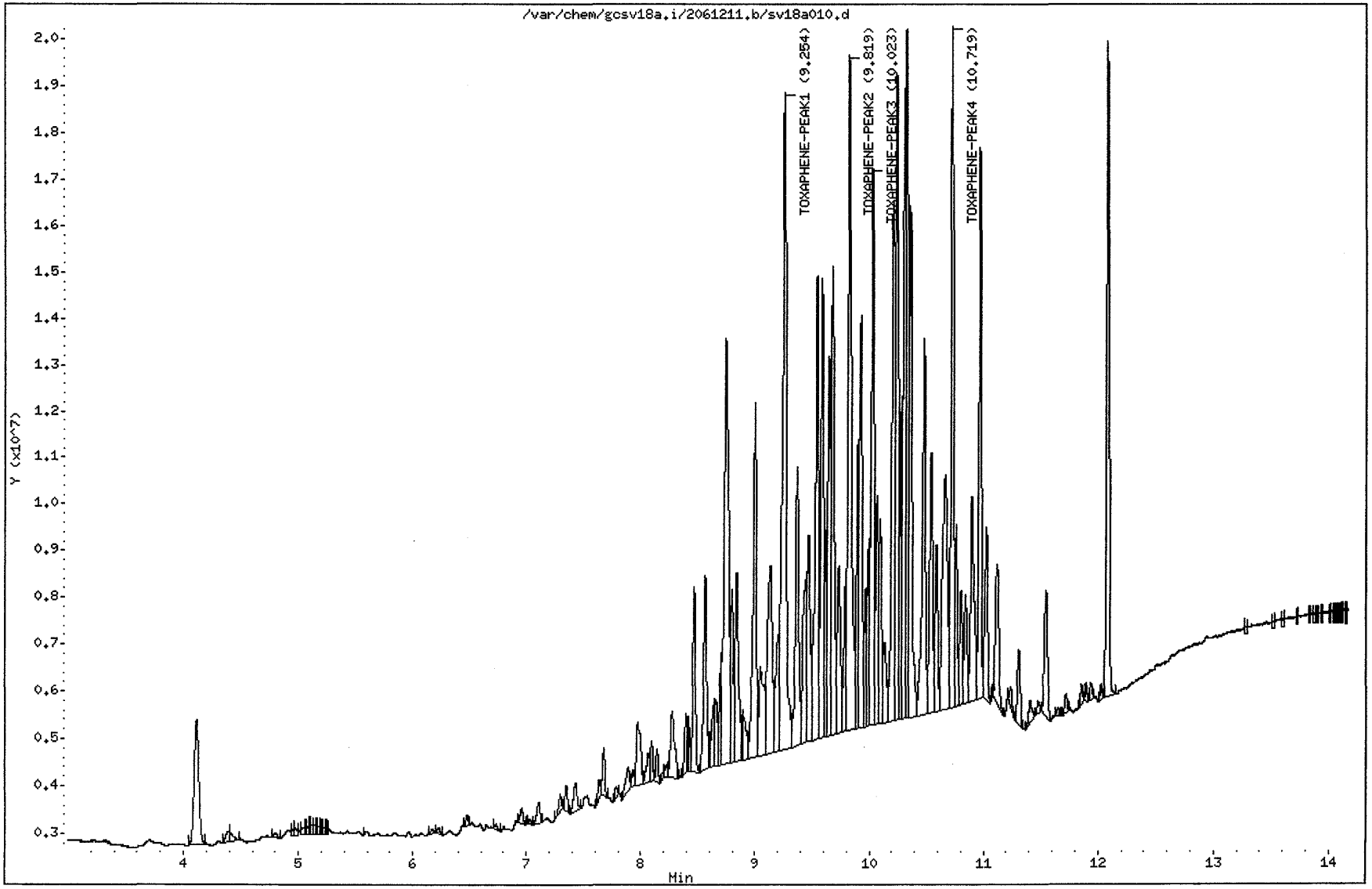
Cpnd Variable Local Compound Variable

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

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

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

000982



035070

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

Gulf Coast Analytical Services

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

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

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

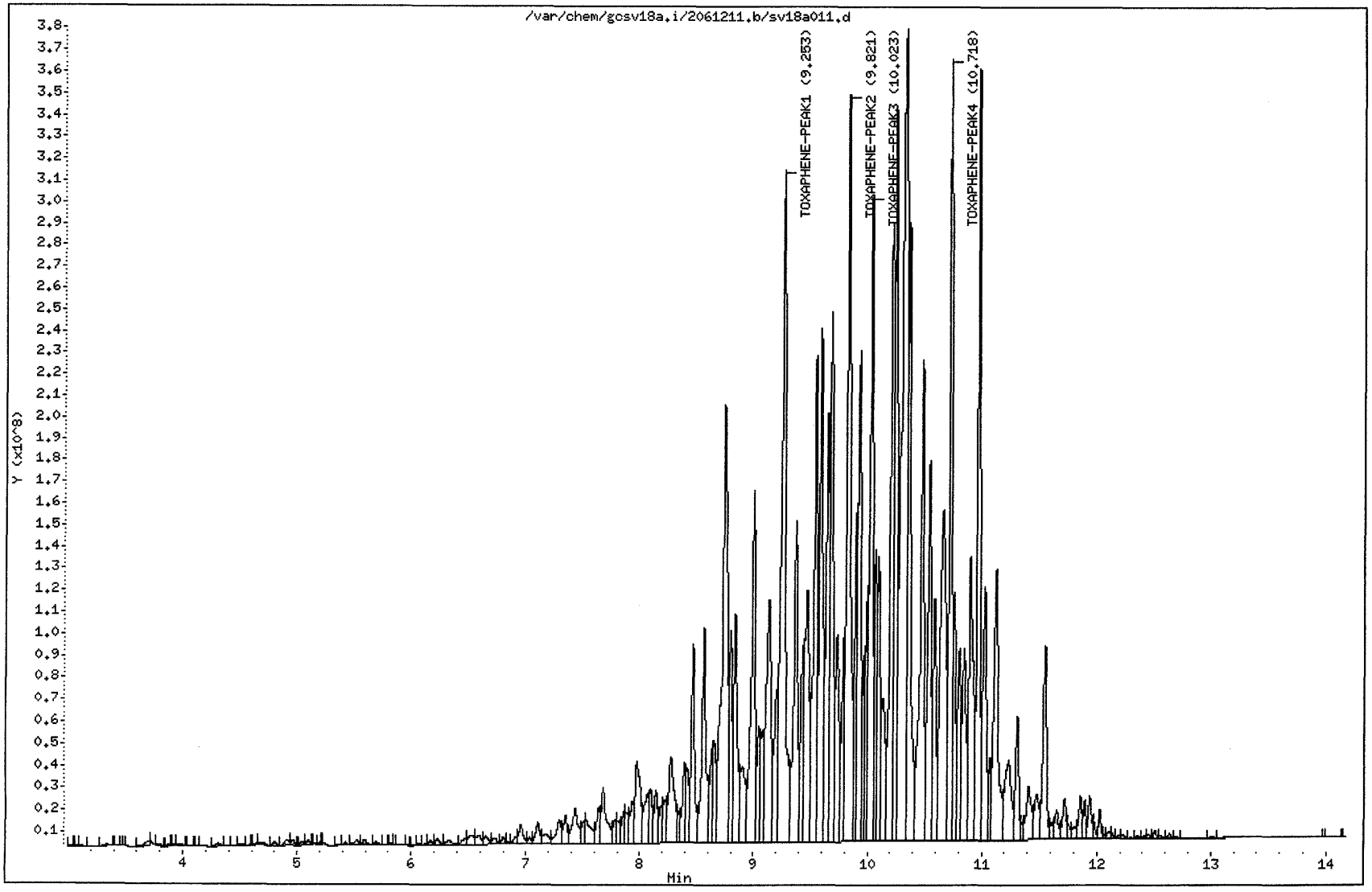
Cpnd Variable Local Compound Variable

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

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

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

000984



035072

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

Gulf Coast Analytical Services

RECOVERY REPORT

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

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

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

035073

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

Gulf Coast Analytical Services

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

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

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

Cpnd Variable Local Compound Variable

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

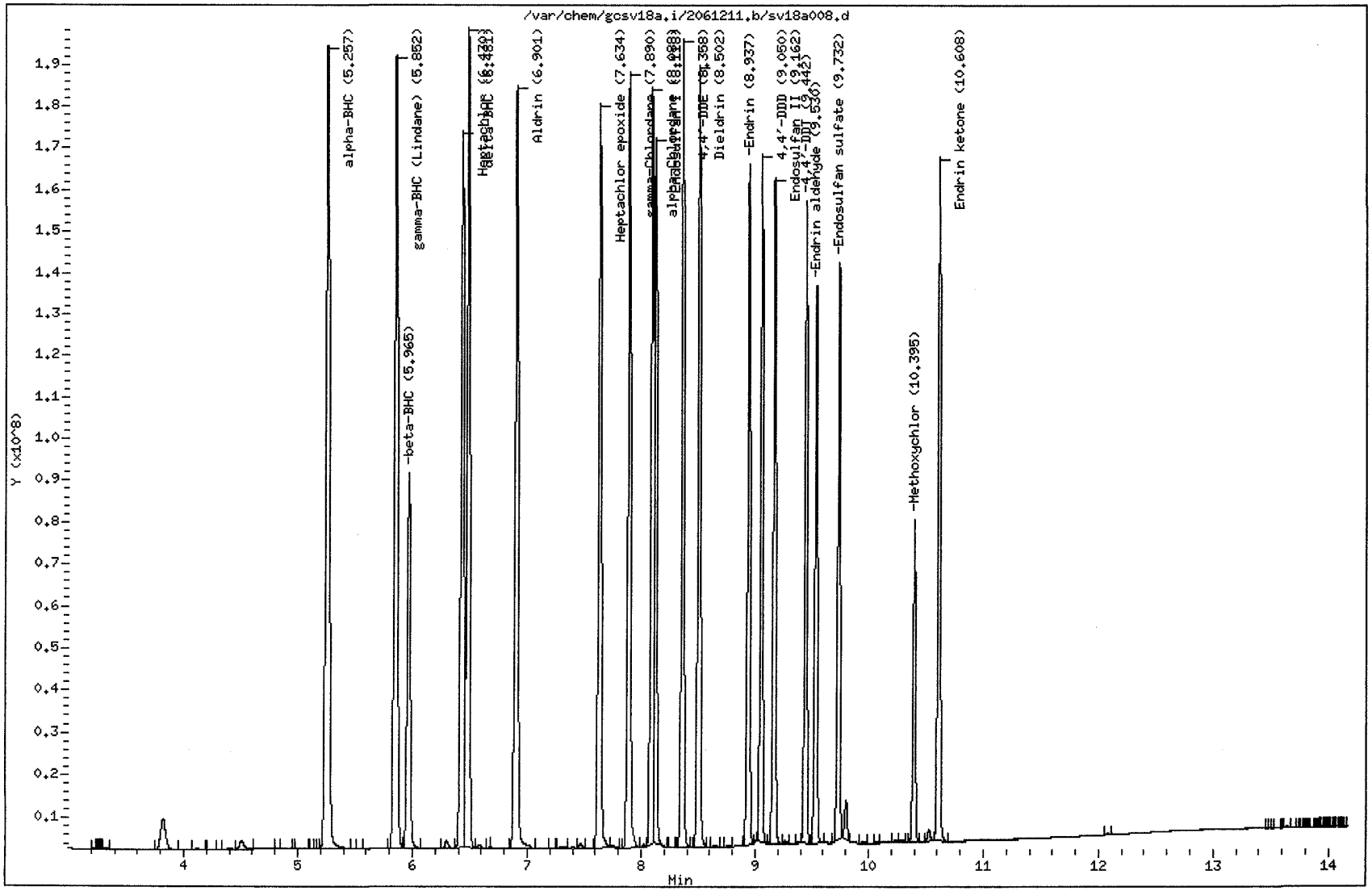
Data File: /var/chem/gcsv18a.i/2061211.b/sv18a008.d
Report Date: 13-Dec-2006 13:39

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

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

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

000988



Data File: /var/chem/gcsv18a.i/2061216.b/sv18a001.d
Report Date: 19-Dec-2006 13:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a001.d
Lab Smp Id: deg
Inj Date : 16-DEC-2006 10:57
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 12:52 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.348	8.358	-0.010	7124510	1.40862	0.014
15 4,4'-DDD	9.042	9.048	-0.006	4354911	1.08305	0.011
17 4,4'-DDT	9.432	9.441	-0.009	347891707	88.5655	0.89
18 Endrin aldehyde	9.523	9.530	-0.007	3977107	1.12845	0.011
21 Endrin ketone	10.598	10.607	-0.009	9709275	2.29493	0.023
14 Endrin	8.927	8.937	-0.010	377768471	87.6708	0.88

035077

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:

$$\frac{4354911 + 7124510}{4354911 + 7124510 + 347891707} \times 100 = 3.2\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

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

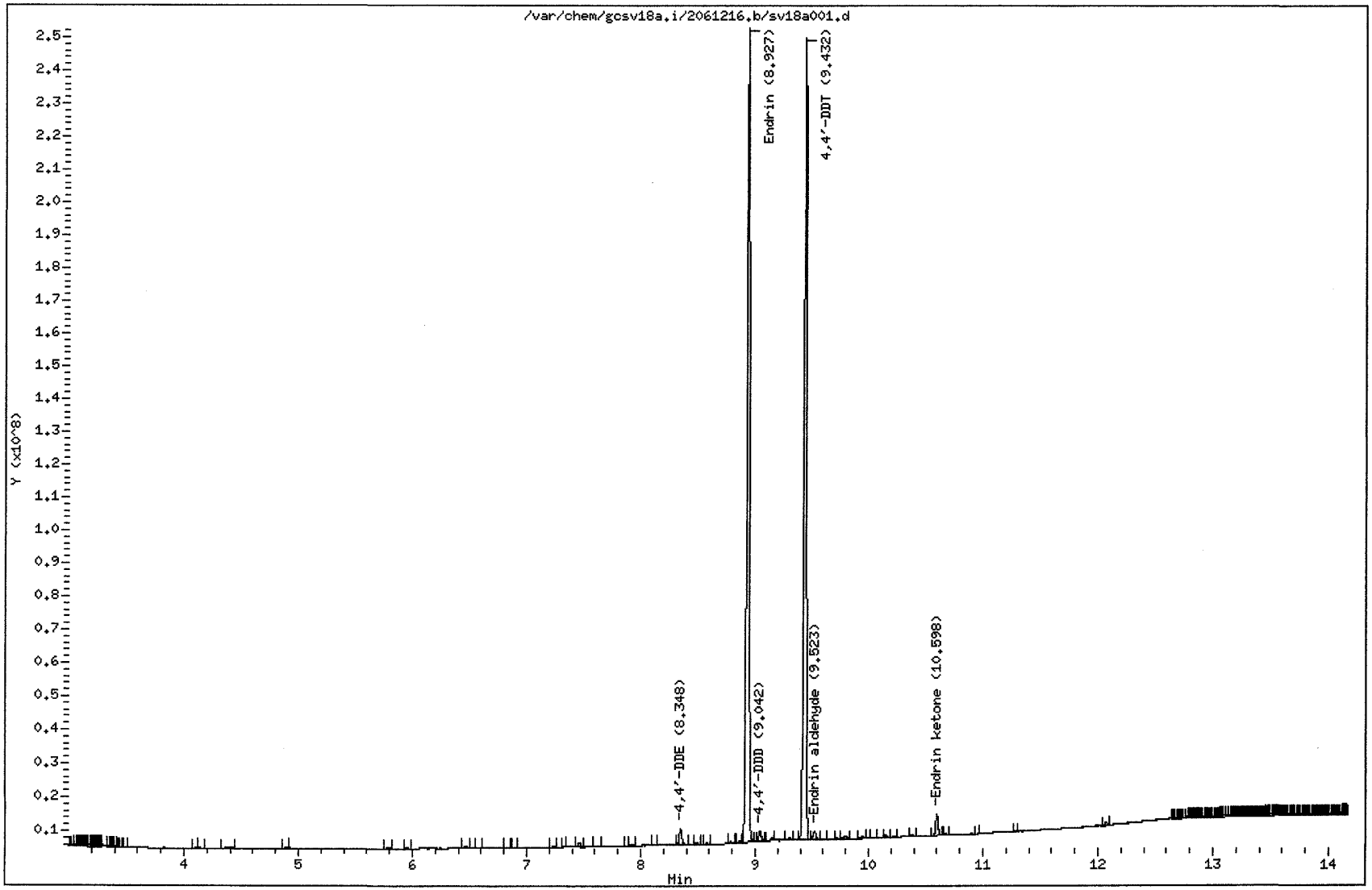
Endrin Breakdown Calculation:

$$\frac{9709275 + 3977107}{9709275 + 3977107 + 377768471} \times 100 = 3.5\ \%$$

Endrin Breakdown Criteria: < 15%

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a001.d
Date : 16-DEC-2006 10:57
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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



Data File: /var/chem/gcsv18a.i/2061216.b/sv18a002.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 16-DEC-2006 11:15
Lab File ID: sv18a002.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	5368669	5275451	0.010	1.73634	15.00000	Averaged	
2 alpha-BHC	7317738	7211736	0.010	1.44856	15.00000	Averaged	
3 gamma-BHC (Lindane)	6341706	6323363	0.010	0.28924	15.00000	Averaged	
6 beta-BHC	2977290	2885952	0.010	3.06785	15.00000	Averaged	
4 Heptachlor	5578864	5949353	0.010	-6.64095	15.00000	Averaged	
7 delta-BHC	5864514	5883289	0.010	-0.32015	15.00000	Averaged	
5 Aldrin	5767401	5783283	0.010	-0.27538	15.00000	Averaged	
8 Heptachlor epoxide	5203748	5217377	0.010	-0.26191	15.00000	Averaged	
10 gamma-Chlordane	5244324	5194501	0.010	0.95005	15.00000	Averaged	
11 alpha-Chlordane	4736437	4823057	0.010	-1.82881	15.00000	Averaged	
9 Endosulfan I	4731171	4821218	0.010	-1.90328	15.00000	Averaged	
12 4,4'-DDE	5057806	5208209	0.010	-2.97369	15.00000	Averaged	
13 Dieldrin	5231394	5344259	0.010	-2.15746	15.00000	Averaged	
14 Endrin	4308942	4578902	0.010	-6.26510	15.00000	Averaged	
15 4,4'-DDD	4020978	4343652	0.010	-8.02477	15.00000	Averaged	
16 Endosulfan II	4383215	4488668	0.010	-2.40584	15.00000	Averaged	
17 4,4'-DDT	3928074	4336674	0.010	-10.40204	15.00000	Averaged	
18 Endrin aldehyde	3524412	3594965	0.010	-2.00184	15.00000	Averaged	
20 Endosulfan sulfate	3560243	3730031	0.010	-4.76899	15.00000	Averaged	
19 Methoxychlor	1814463	2300674	0.010	-26.79640	15.00000	Averaged	<-
21 Endrin ketone	4230745	4628382	0.010	-9.39874	15.00000	Averaged	
$ 22 Decachlorobiphenyl	4064851	4217163	0.010	-3.74707	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 4.43929
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

035080

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a002.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a002.d
Lab Smp Id: 1400
Inj Date : 16-DEC-2006 11:15
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.108	4.117	-0.009	316527049	60.0000	59
2	alpha-BHC	5.250	5.258	-0.008	432704173	60.0000	59
3	gamma-BHC (Lindane)	5.845	5.853	-0.008	379401766	60.0000	60
6	beta-BHC	5.959	5.967	-0.008	173157092	60.0000	58
4	Heptachlor	6.423	6.430	-0.007	356961206	60.0000	64
7	delta-BHC	6.475	6.482	-0.007	352997337	60.0000	60
5	Aldrin	6.893	6.900	-0.007	346997007	60.0000	60
8	Heptachlor epoxide	7.627	7.635	-0.008	313042624	60.0000	60
10	gamma-Chlordane	7.883	7.890	-0.007	311670037	60.0000	59
11	alpha-Chlordane	8.081	8.089	-0.008	289383431	60.0000	61
9	Endosulfan I	8.111	8.119	-0.008	289273088	60.0000	61
12	4,4'-DDE	8.351	8.359	-0.008	624985108	120.000	120
13	Dieldrin	8.494	8.502	-0.008	641311124	120.000	120

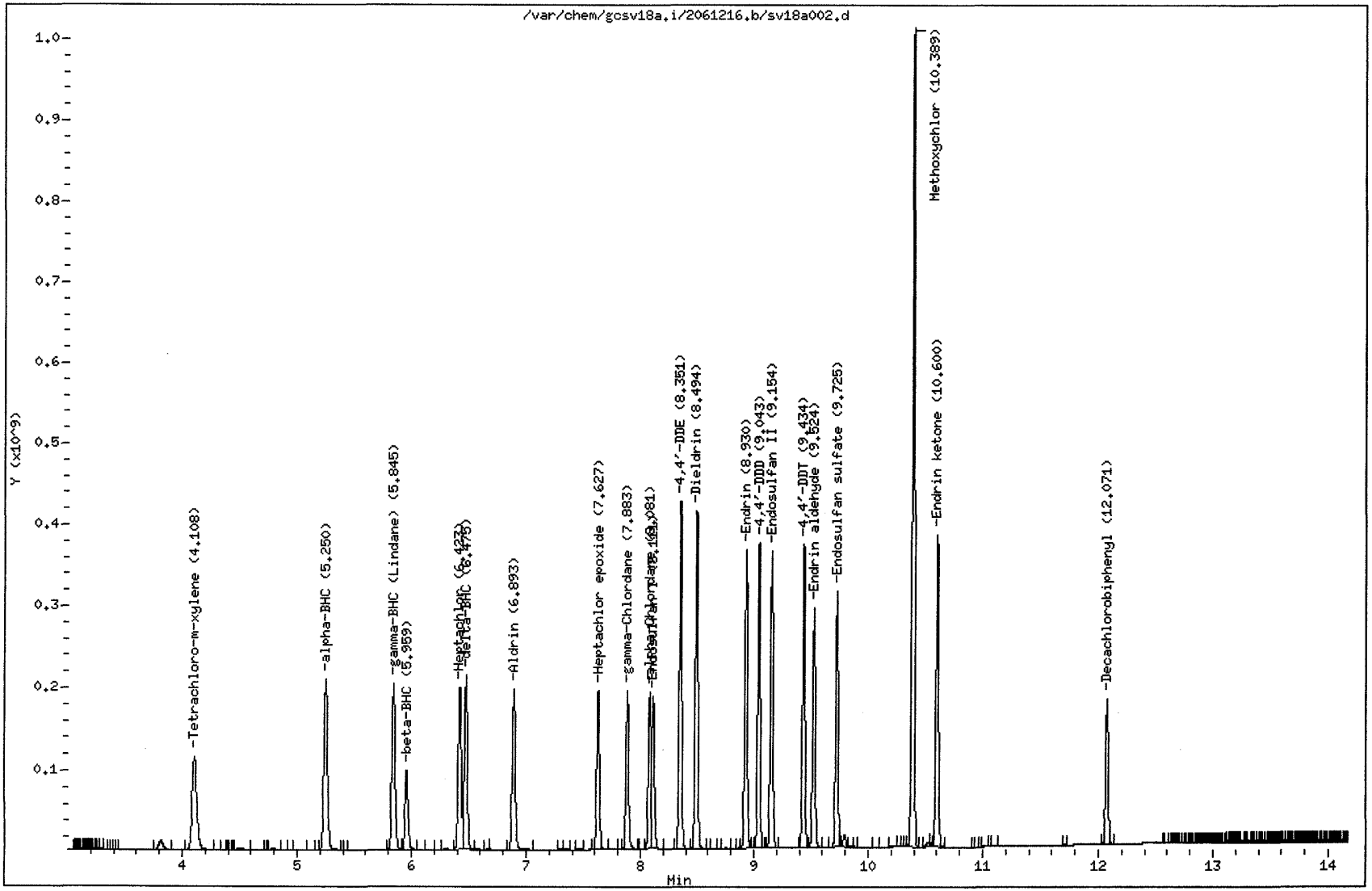
Data File: /var/chem/gcsv18a.i/2061216.b/sv18a002.d
Report Date: 19-Dec-2006 15:03

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	8.930	8.938	-0.008	549468183	120.000	130
	15 4,4'-DDD	9.043	9.050	-0.007	521238201	120.000	130
	16 Endosulfan II	9.154	9.163	-0.009	538640190	120.000	120
	17 4,4'-DDT	9.434	9.442	-0.008	520400820	120.000	130
	18 Endrin aldehyde	9.524	9.531	-0.007	431395795	120.000	120
	20 Endosulfan sulfate	9.725	9.733	-0.008	447603670	120.000	130
	19 Methoxychlor	10.389	10.397	-0.008	1380404512	600.000	760
	21 Endrin ketone	10.600	10.609	-0.009	555405854	120.000	130
$	22 Decachlorobiphenyl	12.071	12.079	-0.008	253029804	60.0000	62

000995

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a002.d
Date : 16-DEC-2006 11:15
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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



035083

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a020.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 16-DEC-2006 19:23
Lab File ID: sv18a020.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	5368669	5362517	0.010	0.11459	15.00000	Averaged	
2 alpha-BHC	7317738	7371012	0.010	-0.72802	15.00000	Averaged	
3 gamma-BHC (Lindane)	6341706	6546135	0.010	-3.22357	15.00000	Averaged	
6 beta-BHC	2977290	2954766	0.010	0.75656	15.00000	Averaged	
4 Heptachlor	5578864	5864955	0.010	-5.12811	15.00000	Averaged	
7 delta-BHC	5864514	6377286	0.010	-8.74364	15.00000	Averaged	
5 Aldrin	5767401	5813905	0.010	-0.80632	15.00000	Averaged	
8 Heptachlor epoxide	5203748	5246265	0.010	-0.81705	15.00000	Averaged	
10 gamma-Chlordane	5244324	5090536	0.010	2.93247	15.00000	Averaged	
11 alpha-Chlordane	4736437	4740976	0.010	-0.09583	15.00000	Averaged	
9 Endosulfan I	4731171	4691659	0.010	0.83514	15.00000	Averaged	
12 4,4'-DDE	5057806	5198125	0.010	-2.77432	15.00000	Averaged	
13 Dieldrin	5231394	5356372	0.010	-2.38901	15.00000	Averaged	
14 Endrin	4308942	4707098	0.010	-9.24023	15.00000	Averaged	
15 4,4'-DDD	4020978	4370125	0.010	-8.68316	15.00000	Averaged	
16 Endosulfan II	4383215	4522245	0.010	-3.17186	15.00000	Averaged	
17 4,4'-DDT	3928074	4360197	0.010	-11.00089	15.00000	Averaged	
18 Endrin aldehyde	3524412	3596173	0.010	-2.03612	15.00000	Averaged	
20 Endosulfan sulfate	3560243	3993471	0.010	-12.16850	15.00000	Averaged	
19 Methoxychlor	1814463	2352092	0.010	-29.63016	15.00000	Averaged	<-
21 Endrin ketone	4230745	4798167	0.010	-13.41185	15.00000	Averaged	
$ 22 Decachlorobiphenyl	4064851	4031023	0.010	0.83220	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 5.43271
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a020.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a020.d
Lab Smp Id: 1400
Inj Date : 16-DEC-2006 19:23
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-44-5
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

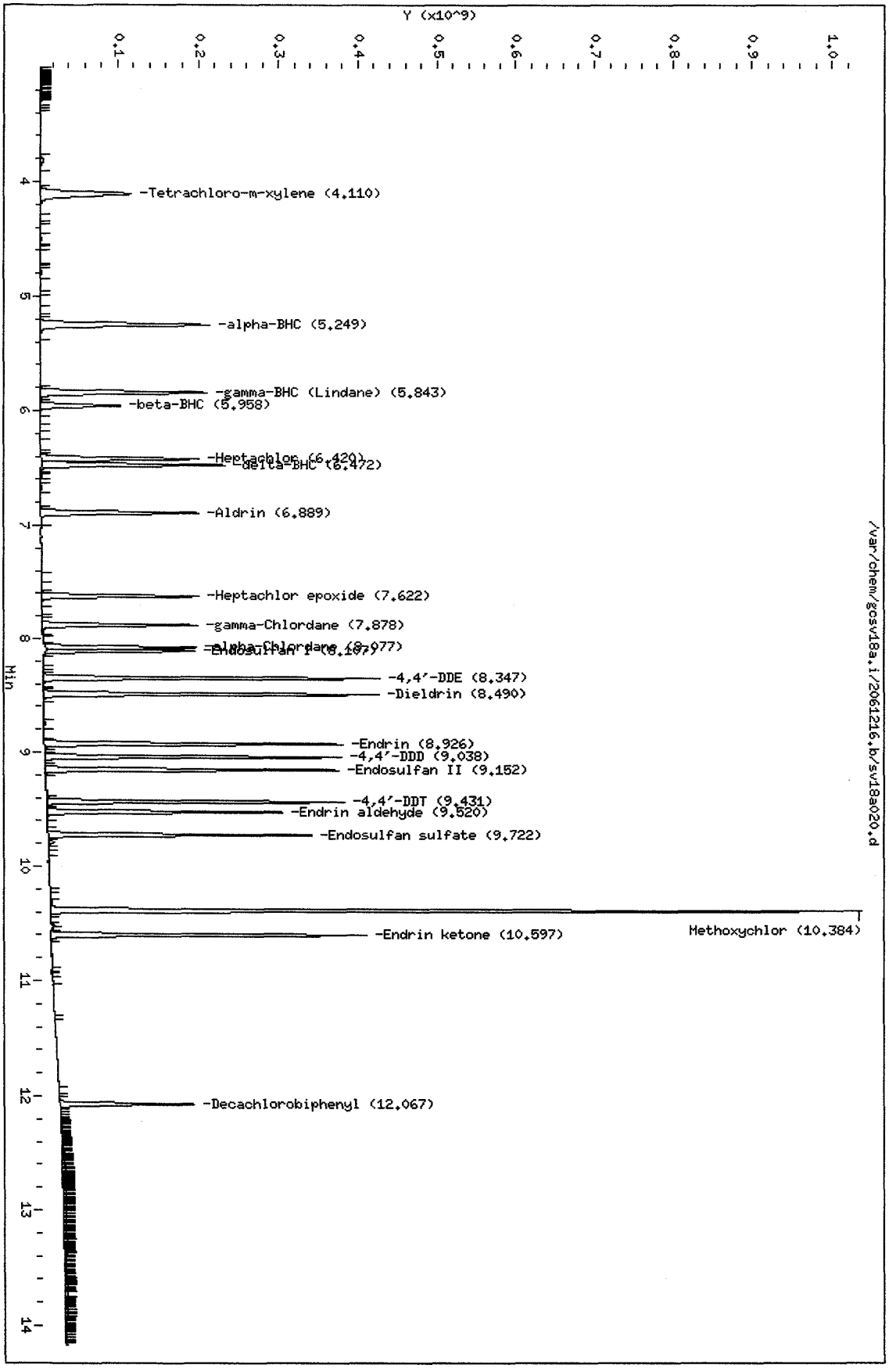
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.110	4.117	-0.007	321751016	60.0000	60
2	alpha-BHC	5.249	5.258	-0.009	442260730	60.0000	60
3	gamma-BHC (Lindane)	5.843	5.853	-0.010	392768111	60.0000	62
6	beta-BHC	5.958	5.967	-0.009	177285934	60.0000	60
4	Heptachlor	6.420	6.430	-0.010	351897275	60.0000	63
7	delta-BHC	6.472	6.481	-0.009	382637133	60.0000	65
5	Aldrin	6.889	6.900	-0.011	348834290	60.0000	60
8	Heptachlor epoxide	7.622	7.634	-0.012	314775914	60.0000	60
10	gamma-Chlordane	7.878	7.889	-0.011	305432155	60.0000	58
11	alpha-Chlordane	8.077	8.088	-0.011	284458542	60.0000	60
9	Endosulfan I	8.107	8.118	-0.011	281499531	60.0000	59
12	4,4'-DDE	8.347	8.358	-0.011	623775057	120.000	120
13	Dieldrin	8.490	8.501	-0.011	642764687	120.000	120

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a020.d
Report Date: 19-Dec-2006 15:03

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.926	8.938	-0.012	564851733	120.000	130
15 4,4'-DDD	9.038	9.049	-0.011	524415043	120.000	130
16 Endosulfan II	9.152	9.163	-0.011	542669345	120.000	120
17 4,4'-DDT	9.431	9.441	-0.010	523223624	120.000	130
18 Endrin aldehyde	9.520	9.531	-0.011	431540776	120.000	120
20 Endosulfan sulfate	9.722	9.733	-0.011	479216536	120.000	130
19 Methoxychlor	10.384	10.396	-0.012	1411255026	600.000	780
21 Endrin ketone	10.597	10.608	-0.011	575780019	120.000	140
$ 22 Decachlorobiphenyl	12.067	12.079	-0.012	241861369	60.0000	60



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035087

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a023.d
Report Date: 19-Dec-2006 13:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a023.d
Lab Smp Id: deg
Inj Date : 18-DEC-2006 07:59
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 13:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.350	8.358	-0.008	3049262	0.60288	0.0060
15 4,4'-DDD	9.042	9.049	-0.007	5349740	1.33046	0.013
17 4,4'-DDT	9.434	9.441	-0.007	320460235	81.5820	0.82
18 Endrin aldehyde	9.523	9.531	-0.008	5307919	1.50604	0.015
21 Endrin ketone	10.599	10.608	-0.009	11988457	2.83365	0.028
14 Endrin	8.929	8.938	-0.009	349100204	81.0176	0.81

001000

035088

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:

$$\frac{5349740 + 3049262}{5349740 + 3049262 + 320460235} \times 100 = 2.6\ \%$$

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:

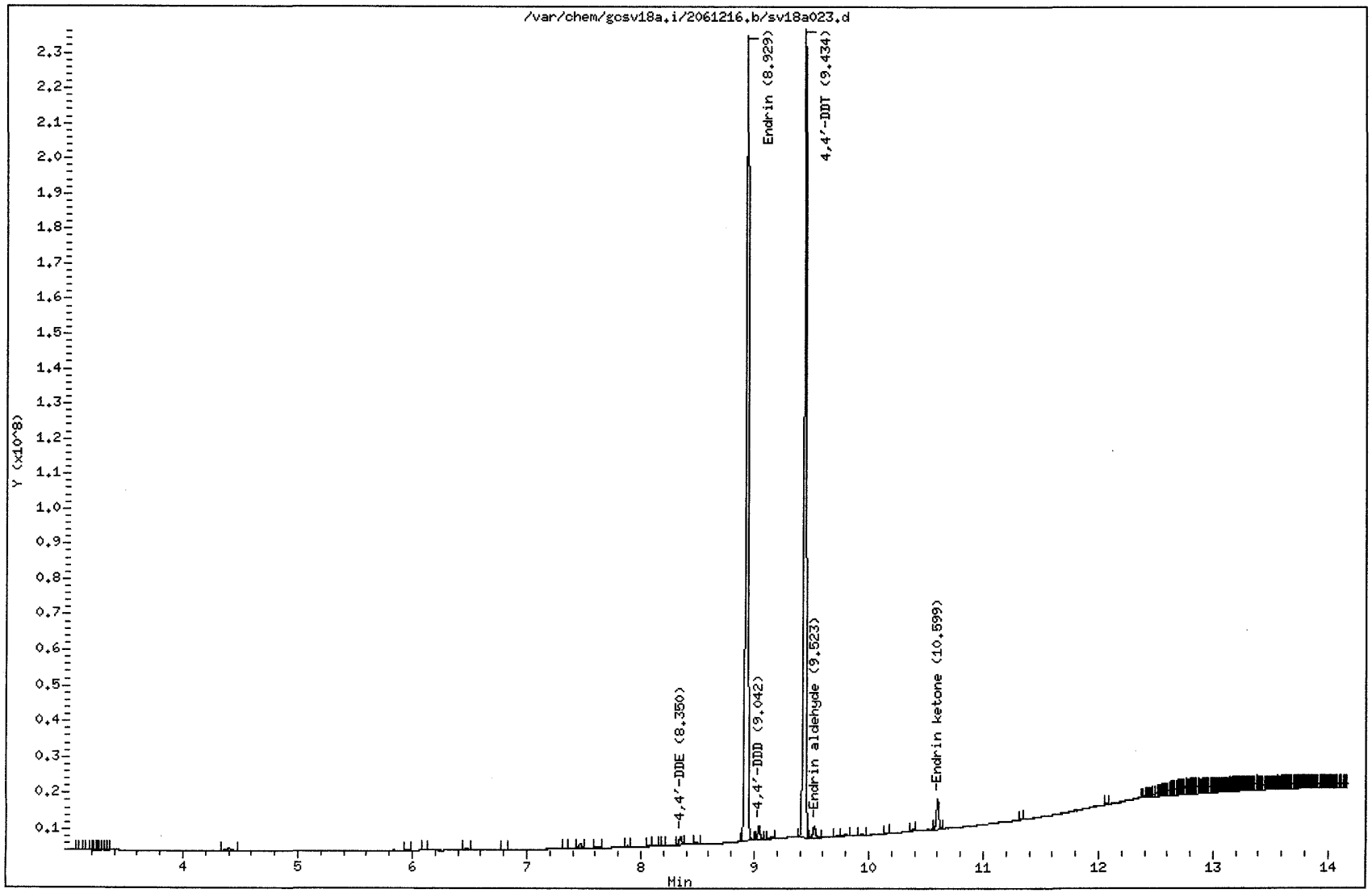
$$\frac{11988457 + 5307919}{11988457 + 5307919 + 349100204} \times 100 = 4.7\ \%$$

Endrin Breakdown Criteria: < 15%

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a023.d
Date : 18-DEC-2006 07:59
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001002



035090

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a024.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 18-DEC-2006 08:18
Lab File ID: sv18a024.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	5368669	5378198	0.010	-0.17749	15.00000	Averaged
2 alpha-BHC	7317738	7373478	0.010	-0.76172	15.00000	Averaged
3 gamma-BHC (Lindane)	6341706	6439659	0.010	-1.54459	15.00000	Averaged
6 beta-BHC	2977290	2911898	0.010	2.19639	15.00000	Averaged
4 Heptachlor	5578864	5395318	0.010	3.29002	15.00000	Averaged
7 delta-BHC	5864514	6285428	0.010	-7.17731	15.00000	Averaged
5 Aldrin	5767401	5834390	0.010	-1.16151	15.00000	Averaged
8 Heptachlor epoxide	5203748	5218351	0.010	-0.28063	15.00000	Averaged
10 gamma-Chlordane	5244324	5198272	0.010	0.87815	15.00000	Averaged
11 alpha-Chlordane	4736437	4820905	0.010	-1.78336	15.00000	Averaged
9 Endosulfan I	4731171	4719258	0.010	0.25180	15.00000	Averaged
12 4,4'-DDE	5057806	5156994	0.010	-1.96110	15.00000	Averaged
13 Dieldrin	5231394	5299035	0.010	-1.29298	15.00000	Averaged
14 Endrin	4308942	4403055	0.010	-2.18413	15.00000	Averaged
15 4,4'-DDD	4020978	4240082	0.010	-5.44903	15.00000	Averaged
16 Endosulfan II	4383215	4471368	0.010	-2.01115	15.00000	Averaged
17 4,4'-DDT	3928074	4073378	0.010	-3.69913	15.00000	Averaged
18 Endrin aldehyde	3524412	3578832	0.010	-1.54411	15.00000	Averaged
20 Endosulfan sulfate	3560243	3919788	0.010	-10.09890	15.00000	Averaged
19 Methoxychlor	1814463	2004514	0.010	-10.47424	15.00000	Averaged
21 Endrin ketone	4230745	4712991	0.010	-11.39860	15.00000	Averaged
$ 22 Decachlorobiphenyl	4064851	4053846	0.010	0.27073	15.00000	Averaged

Average %D / Drift Results.
Calculated Average %D/Drift = 3.17668
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001003

035091

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a024.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a024.d
Lab Smp Id: 1400
Inj Date : 18-DEC-2006 08:18
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

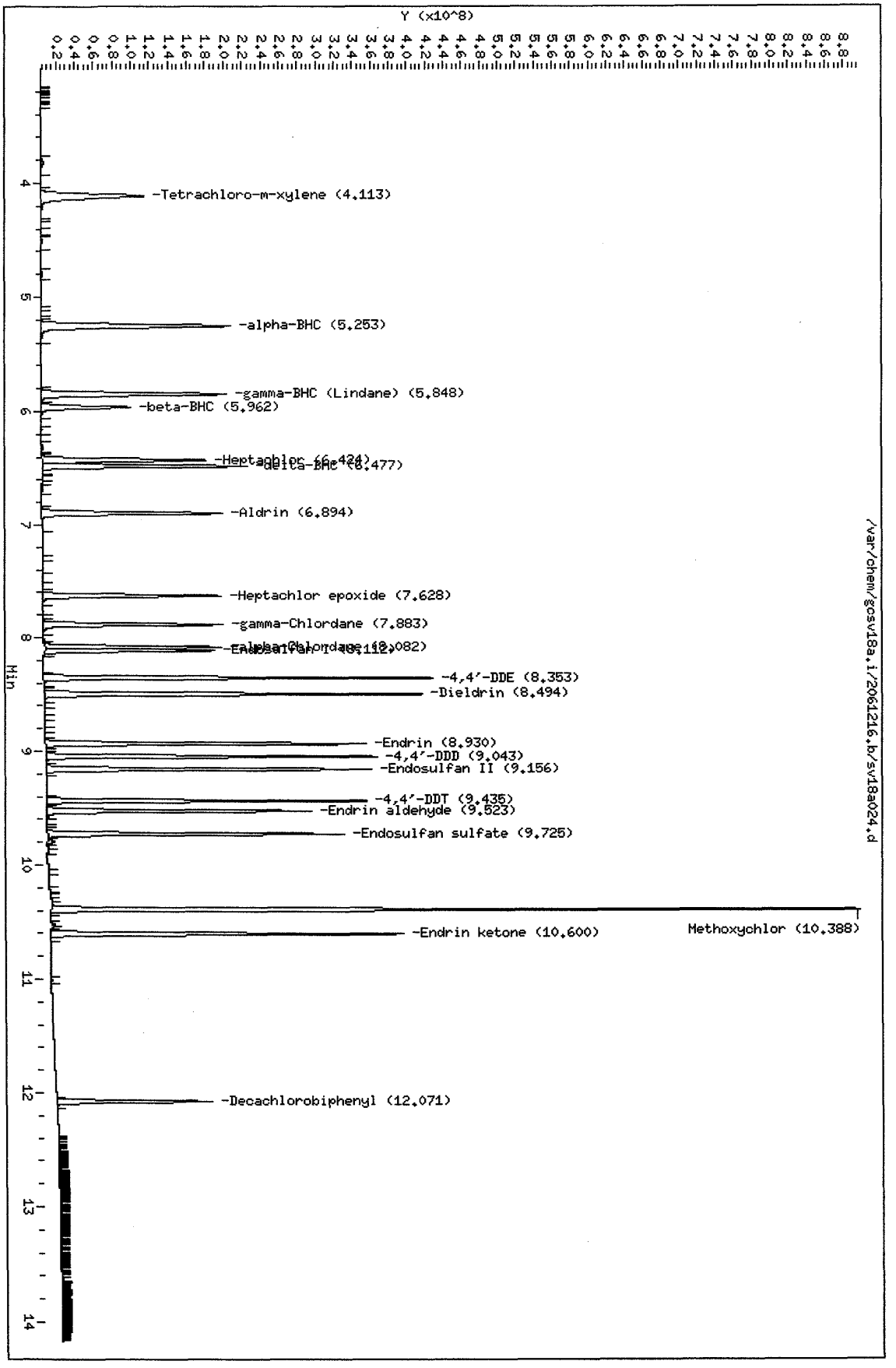
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.113	4.117	-0.004	322691886	60.0000	60
2	alpha-BHC	5.253	5.259	-0.006	442408683	60.0000	60
3	gamma-BHC (Lindane)	5.848	5.854	-0.006	386379534	60.0000	61
6	beta-BHC	5.962	5.967	-0.005	174713863	60.0000	59
4	Heptachlor	6.424	6.430	-0.006	323719096	60.0000	58
7	delta-BHC	6.477	6.482	-0.005	377125698	60.0000	64
5	Aldrin	6.894	6.901	-0.007	350063428	60.0000	61
8	Heptachlor epoxide	7.628	7.635	-0.007	313101083	60.0000	60
10	gamma-Chlordane	7.883	7.890	-0.007	311896296	60.0000	59
11	alpha-Chlordane	8.082	8.089	-0.007	289254276	60.0000	61
9	Endosulfan I	8.112	8.119	-0.007	283155469	60.0000	60
12	4,4'-DDE	8.353	8.359	-0.006	618839298	120.000	120
13	Dieldrin	8.494	8.502	-0.008	635884177	120.000	120

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a024.d
Report Date: 19-Dec-2006 15:03

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.930	8.938	-0.008	528366545	120.000	120
15 4,4'-DDD	9.043	9.050	-0.007	508809836	120.000	130
16 Endosulfan II	9.156	9.164	-0.008	536564139	120.000	120
17 4,4'-DDT	9.435	9.442	-0.007	488805407	120.000	120
18 Endrin aldehyde	9.523	9.531	-0.008	429459900	120.000	120
20 Endosulfan sulfate	9.725	9.733	-0.008	470374608	120.000	130
19 Methoxychlor	10.388	10.397	-0.009	1202708695	600.000	660
21 Endrin ketone	10.600	10.609	-0.009	565558942	120.000	130
$ 22 Decachlorobiphenyl	12.071	12.079	-0.008	243230752	60.0000	60

035093



Data File: /var/chem/gcsv18a.i/20061216.b/sv18a024.d
Date : 18-DEC-2006 08:18
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001006

035094

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a037.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 18-DEC-2006 14:02
Lab File ID: sv18a037.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	5368669	5484140	0.010	-2.15082	15.00000	Averaged	
2 alpha-BHC	7317738	7703098	0.010	-5.26611	15.00000	Averaged	
3 gamma-BHC (Lindane)	6341706	6712592	0.010	-5.84837	15.00000	Averaged	
6 beta-BHC	2977290	2977753	0.010	-0.01554	15.00000	Averaged	
4 Heptachlor	5578864	5607397	0.010	-0.51145	15.00000	Averaged	
7 delta-BHC	5864514	6440674	0.010	-9.82452	15.00000	Averaged	
5 Aldrin	5767401	6071038	0.010	-5.26471	15.00000	Averaged	
8 Heptachlor epoxide	5203748	5445443	0.010	-4.64463	15.00000	Averaged	
10 gamma-Chlordane	5244324	5344634	0.010	-1.91273	15.00000	Averaged	
11 alpha-Chlordane	4736437	4747568	0.010	-0.23500	15.00000	Averaged	
9 Endosulfan I	4731171	4900685	0.010	-3.58292	15.00000	Averaged	
12 4,4'-DDE	5057806	5388562	0.010	-6.53951	15.00000	Averaged	
13 Dieldrin	5231394	5560082	0.010	-6.28299	15.00000	Averaged	
14 Endrin	4308942	4901505	0.010	-13.75193	15.00000	Averaged	
15 4,4'-DDD	4020978	4491025	0.010	-11.68988	15.00000	Averaged	
16 Endosulfan II	4383215	4653237	0.010	-6.16035	15.00000	Averaged	
17 4,4'-DDT	3928074	4347893	0.010	-10.68767	15.00000	Averaged	
18 Endrin aldehyde	3524412	3649550	0.010	-3.55063	15.00000	Averaged	
20 Endosulfan sulfate	3560243	4082240	0.010	-14.66184	15.00000	Averaged	
19 Methoxychlor	1814463	2339877	0.010	-28.95697	15.00000	Averaged	<-
21 Endrin ketone	4230745	4864246	0.010	-14.97373	15.00000	Averaged	
$ 22 Decachlorobiphenyl	4064851	4133598	0.010	-1.69127	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 7.19107
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001007

035095

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a037.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a037.d
Lab Smp Id: 1400
Inj Date : 18-DEC-2006 14:02
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.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	4.108	4.117	-0.009	329048371	60.0000	61
2	alpha-BHC	5.248	5.258	-0.010	462185873	60.0000	63
3	gamma-BHC (Lindane)	5.842	5.853	-0.011	402755522	60.0000	64
6	beta-BHC	5.958	5.967	-0.009	178665192	60.0000	60
4	Heptachlor	6.418	6.429	-0.011	336443814	60.0000	60
7	delta-BHC	6.473	6.481	-0.008	386440455	60.0000	66
5	Aldrin	6.888	6.900	-0.012	364262296	60.0000	63
8	Heptachlor epoxide	7.622	7.634	-0.012	326726571	60.0000	63
10	gamma-Chlordane	7.878	7.889	-0.011	320678055	60.0000	61
11	alpha-Chlordane	8.075	8.088	-0.013	284854057	60.0000	60
9	Endosulfan I	8.105	8.118	-0.013	294041086	60.0000	62
12	4,4'-DDE	8.346	8.358	-0.012	646627387	120.000	130
13	Dieldrin	8.488	8.501	-0.013	667209864	120.000	130

001008

035096

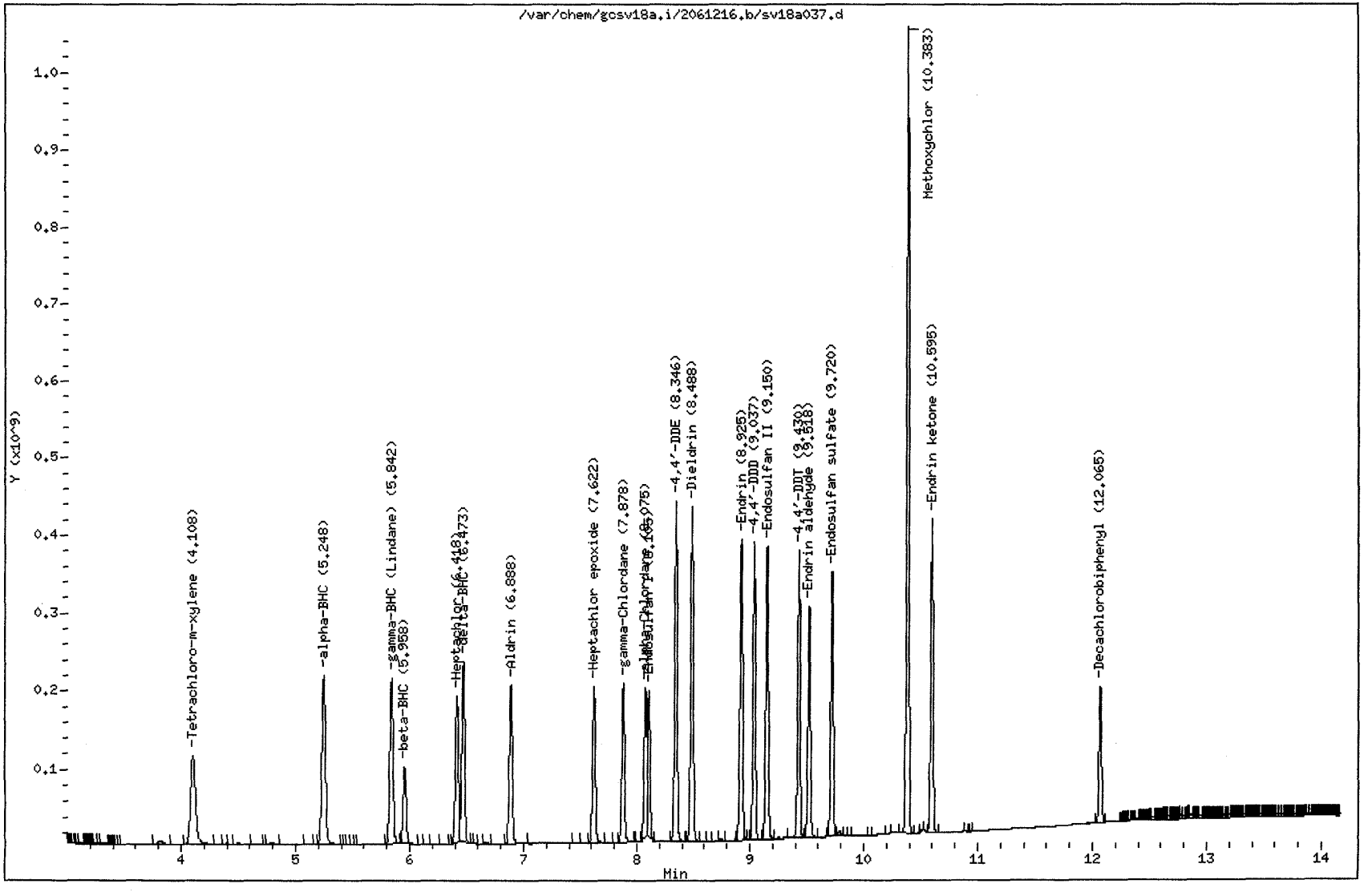
Data File: /var/chem/gcsv18a.i/2061216.b/sv18a037.d
Report Date: 19-Dec-2006 15:03

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.925	8.938	-0.013	588180553	120.000	140
15 4,4'-DDD	9.037	9.049	-0.012	538922987	120.000	130
16 Endosulfan II	9.150	9.163	-0.013	558388381	120.000	130
17 4,4'-DDT	9.430	9.441	-0.011	521747187	120.000	130
18 Endrin aldehyde	9.518	9.530	-0.012	437946049	120.000	120
20 Endosulfan sulfate	9.720	9.733	-0.013	489868799	120.000	140
19 Methoxychlor	10.383	10.396	-0.013	1403926142	600.000	770
21 Endrin ketone	10.595	10.608	-0.013	583709520	120.000	140
$ 22 Decachlorobiphenyl	12.065	12.078	-0.013	248015899	60.0000	61

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a037.d
Date : 18-DEC-2006 14:02
Client ID:
Sample Info: 1400*1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001010



035098

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a048.d
Report Date: 19-Dec-2006 13:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a048.d
Lab Smp Id: deg
Inj Date : 19-DEC-2006 09:01
Operator : tls Inst ID: gcsv18a.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 13:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.346	8.358	-0.012	2648233	0.52359	0.0052
15 4,4'-DDD	9.039	9.049	-0.010	4534540	1.12772	0.011
17 4,4'-DDT	9.428	9.441	-0.013	356061096	90.6452	0.91
18 Endrin aldehyde	9.517	9.530	-0.013	3072316	0.87172	0.0087
21 Endrin ketone	10.593	10.608	-0.015	9744785	2.30333	0.023
14 Endrin	8.923	8.938	-0.015	392435175	91.0746	0.91

001011

035099

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

$$\frac{4534540 + 2648233}{4534540 + 2648233 + 356061096} \times 100 = 2.0\ \%$$

DDT Breakdown: Criteria < 15%

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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

$$\frac{9744785 + 3072316}{9744785 + 3072316 + 392435175} \times 100 = 3.2\ \%$$

Endrin Breakdown: Criteria < 15%

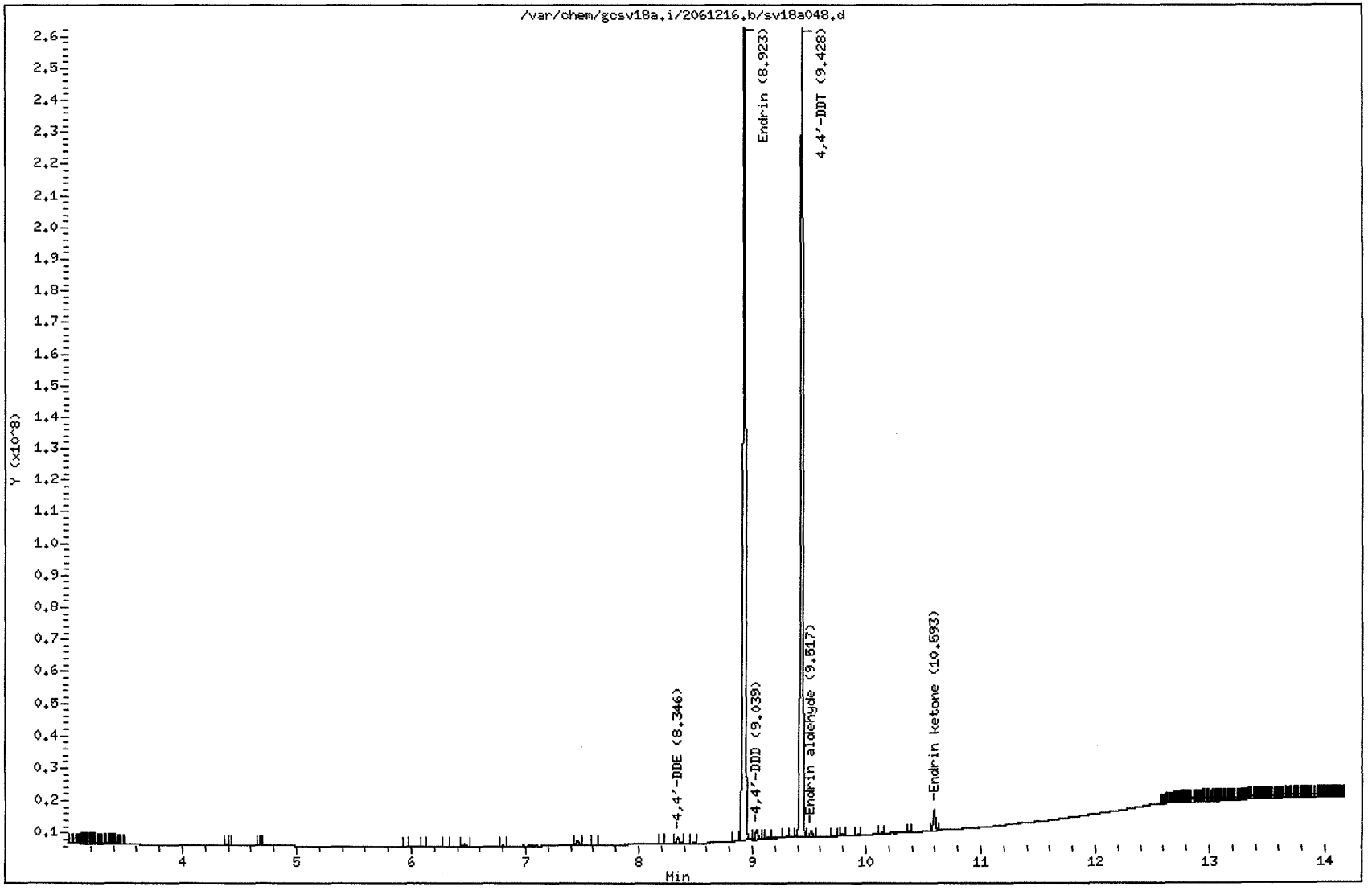
001012

035100

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a048.d
Date : 19-DEC-2006 09:01
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001013



035101

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a049.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 19-DEC-2006 09:20
Lab File ID: sv18a049.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	5368669	5488936	0.010	-2.24017	15.00000	Averaged
2 alpha-BHC	7317738	7541729	0.010	-3.06093	15.00000	Averaged
3 gamma-BHC (Lindane)	6341706	6578461	0.010	-3.73331	15.00000	Averaged
6 beta-BHC	2977290	2967840	0.010	0.31740	15.00000	Averaged
4 Heptachlor	5578864	5817467	0.010	-4.27691	15.00000	Averaged
7 delta-BHC	5864514	6420368	0.010	-9.47827	15.00000	Averaged
5 Aldrin	5767401	5973739	0.010	-3.57766	15.00000	Averaged
8 Heptachlor epoxide	5203748	5363577	0.010	-3.07143	15.00000	Averaged
10 gamma-Chlordane	5244324	5330601	0.010	-1.64515	15.00000	Averaged
11 alpha-Chlordane	4736437	4906664	0.010	-3.59399	15.00000	Averaged
9 Endosulfan I	4731171	4920564	0.010	-4.00310	15.00000	Averaged
12 4,4'-DDE	5057806	5322126	0.010	-5.22598	15.00000	Averaged
13 Dieldrin	5231394	5502513	0.010	-5.18254	15.00000	Averaged
14 Endrin	4308942	4800964	0.010	-11.41862	15.00000	Averaged
15 4,4'-DDD	4020978	4468519	0.010	-11.13017	15.00000	Averaged
16 Endosulfan II	4383215	4632538	0.010	-5.68813	15.00000	Averaged
17 4,4'-DDT	3928074	4373055	0.010	-11.32822	15.00000	Averaged
18 Endrin aldehyde	3524412	3660310	0.010	-3.85591	15.00000	Averaged
20 Endosulfan sulfate	3560243	4123739	0.010	-15.82745	15.00000	Averaged <-
19 Methoxychlor	1814463	2281569	0.010	-25.74348	15.00000	Averaged <-
21 Endrin ketone	4230745	4909459	0.010	-16.04242	15.00000	Averaged <-
$ 22 Decachlorobiphenyl	4064851	4212821	0.010	-3.64024	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 7.00370
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a049.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a049.d
Lab Smp Id: 1400
Inj Date : 19-DEC-2006 09:20
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 49 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.109	4.117	-0.008	329336165	60.0000	61
2	alpha-BHC	5.248	5.258	-0.010	452503725	60.0000	62
3	gamma-BHC (Lindane)	5.843	5.853	-0.010	394707660	60.0000	62
6	beta-BHC	5.958	5.967	-0.009	178070426	60.0000	60
4	Heptachlor	6.420	6.430	-0.010	349048019	60.0000	63
7	delta-BHC	6.474	6.482	-0.008	385222091	60.0000	66
5	Aldrin	6.890	6.900	-0.010	358424348	60.0000	62
8	Heptachlor epoxide	7.623	7.634	-0.011	321814632	60.0000	62
10	gamma-Chlordane	7.880	7.889	-0.009	319836071	60.0000	61
11	alpha-Chlordane	8.077	8.088	-0.011	294399831	60.0000	62
9	Endosulfan I	8.107	8.118	-0.011	295233856	60.0000	62
12	4,4'-DDE	8.347	8.358	-0.011	638655081	120.000	130
13	Dieldrin	8.490	8.501	-0.011	660301590	120.000	130

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a049.d
Report Date: 19-Dec-2006 15:03

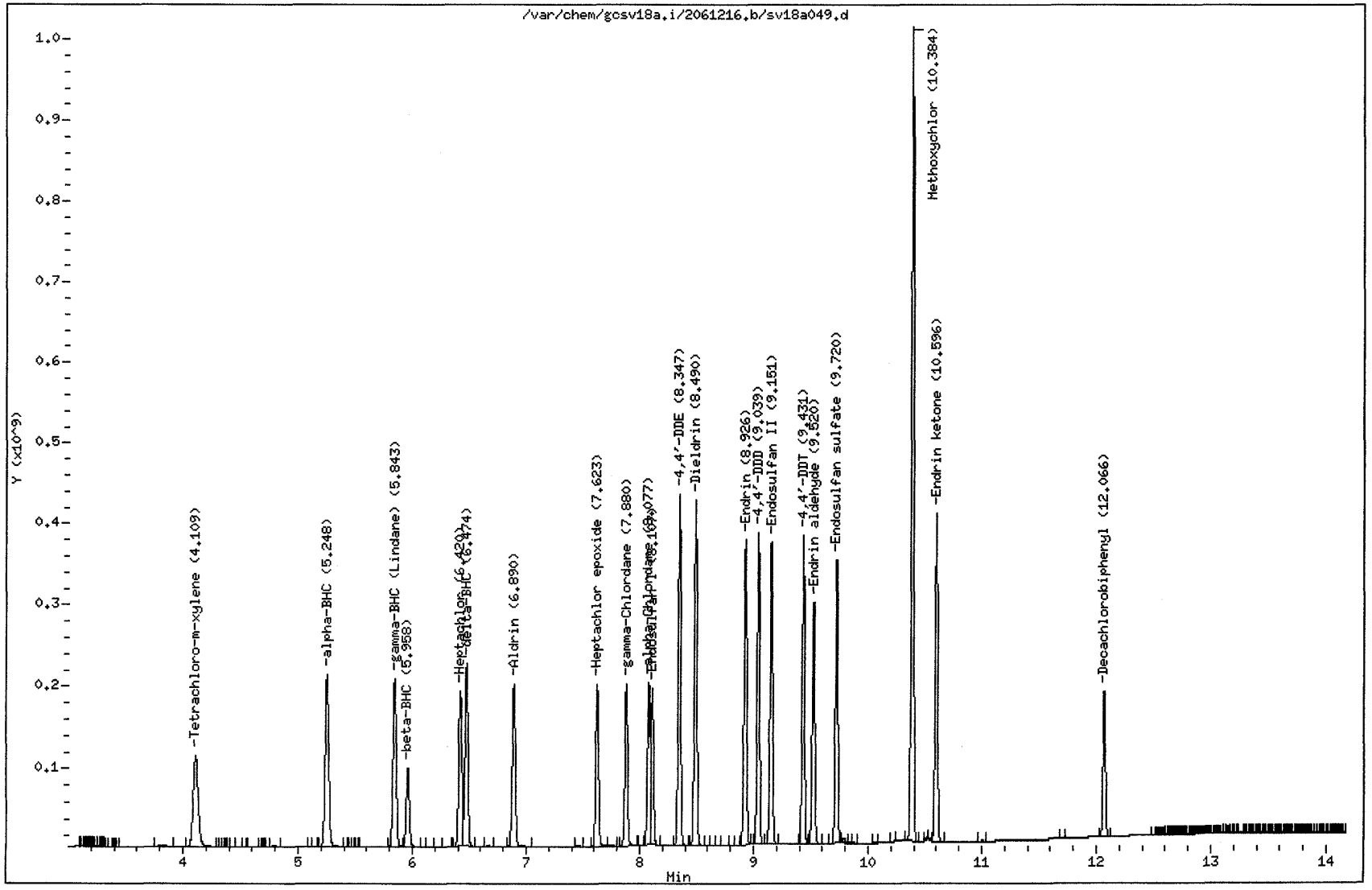
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.926	8.938	-0.012	576115634	120.000	130
15 4,4'-DDD	9.039	9.049	-0.010	536222284	120.000	130
16 Endosulfan II	9.151	9.163	-0.012	555904577	120.000	130
17 4,4'-DDT	9.431	9.441	-0.010	524766555	120.000	130
18 Endrin aldehyde	9.520	9.531	-0.011	439237199	120.000	120
20 Endosulfan sulfate	9.720	9.733	-0.013	494848629	120.000	140
19 Methoxychlor	10.384	10.396	-0.012	1368941582	600.000	750
21 Endrin ketone	10.596	10.608	-0.012	589135112	120.000	140
$ 22 Decachlorobiphenyl	12.066	12.078	-0.012	252769262	60.0000	62

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a049.d
Date : 19-DEC-2006 09:20
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001017



035105

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a055.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 19-DEC-2006 12:43
Lab File ID: sv18a055.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	5368669	5353860	0.010	0.27584	15.00000	Averaged	
2 alpha-BHC	7317738	7470250	0.010	-2.08415	15.00000	Averaged	
3 gamma-BHC (Lindane)	6341706	6554543	0.010	-3.35616	15.00000	Averaged	
6 beta-BHC	2977290	2951736	0.010	0.85830	15.00000	Averaged	
4 Heptachlor	5578864	5905899	0.010	-5.86203	15.00000	Averaged	
7 delta-BHC	5864514	6466296	0.010	-10.26142	15.00000	Averaged	
5 Aldrin	5767401	5914673	0.010	-2.55352	15.00000	Averaged	
8 Heptachlor epoxide	5203748	5340997	0.010	-2.63751	15.00000	Averaged	
10 gamma-Chlordane	5244324	5337809	0.010	-1.78259	15.00000	Averaged	
11 alpha-Chlordane	4736437	4914196	0.010	-3.75301	15.00000	Averaged	
9 Endosulfan I	4731171	4830914	0.010	-2.10821	15.00000	Averaged	
12 4,4'-DDE	5057806	5293000	0.010	-4.65013	15.00000	Averaged	
13 Dieldrin	5231394	5475216	0.010	-4.66075	15.00000	Averaged	
14 Endrin	4308942	4756662	0.010	-10.39049	15.00000	Averaged	
15 4,4'-DDD	4020978	4452176	0.010	-10.72373	15.00000	Averaged	
16 Endosulfan II	4383215	4619562	0.010	-5.39209	15.00000	Averaged	
17 4,4'-DDT	3928074	4452697	0.010	-13.35574	15.00000	Averaged	
18 Endrin aldehyde	3524412	3679529	0.010	-4.40122	15.00000	Averaged	
20 Endosulfan sulfate	3560243	4157625	0.010	-16.77925	15.00000	Averaged	<-
19 Methoxychlor	1814463	2360379	0.010	-30.08691	15.00000	Averaged	<-
21 Endrin ketone	4230745	4968564	0.010	-17.43945	15.00000	Averaged	<-
$ 22 Decachlorobiphenyl	4064851	4166630	0.010	-2.50389	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 7.08711
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001018

035106

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a055.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a055.d
Lab Smp Id: 1400
Inj Date : 19-DEC-2006 12:43
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-45-4
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 55 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

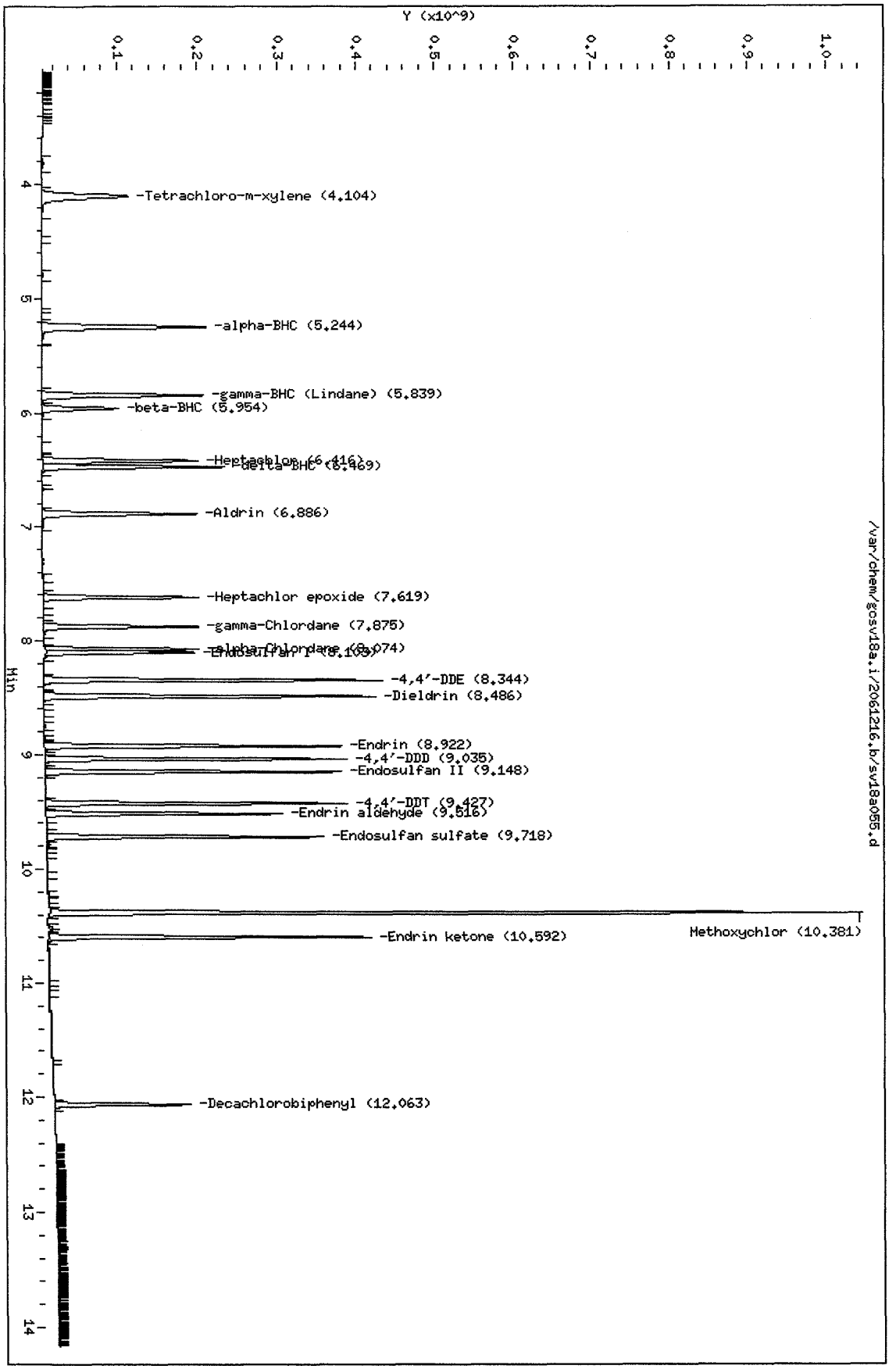
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.104	4.116	-0.012	321231604	60.0000	60
2	alpha-BHC	5.244	5.257	-0.013	448215024	60.0000	61
3	gamma-BHC (Lindane)	5.839	5.852	-0.013	393272589	60.0000	62
6	beta-BHC	5.954	5.966	-0.012	177104186	60.0000	59
4	Heptachlor	6.416	6.429	-0.013	354353934	60.0000	64
7	delta-BHC	6.469	6.481	-0.012	387977761	60.0000	66
5	Aldrin	6.886	6.899	-0.013	354880390	60.0000	62
8	Heptachlor epoxide	7.619	7.634	-0.015	320459828	60.0000	62
10	gamma-Chlordane	7.875	7.889	-0.014	320268556	60.0000	61
11	alpha-Chlordane	8.074	8.088	-0.014	294851756	60.0000	62
9	Endosulfan I	8.103	8.117	-0.014	289854816	60.0000	61
12	4,4'-DDE	8.344	8.358	-0.014	635160031	120.000	130
13	Dieldrin	8.486	8.500	-0.014	657025964	120.000	130

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a055.d
Report Date: 19-Dec-2006 15:03

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	8.922	8.937	-0.015	570799432	120.000	130
15 4,4'-DDD	9.035	9.048	-0.013	534261163	120.000	130
16 Endosulfan II	9.148	9.162	-0.014	554347448	120.000	130
17 4,4'-DDT	9.427	9.441	-0.014	534323673	120.000	140
18 Endrin aldehyde	9.516	9.530	-0.014	441543472	120.000	130
20 Endosulfan sulfate	9.718	9.732	-0.014	498915002	120.000	140
19 Methoxychlor	10.381	10.396	-0.015	1416227545	600.000	780 (M1)
21 Endrin ketone	10.592	10.607	-0.015	596227684	120.000	140
$ 22 Decachlorobiphenyl	12.063	12.078	-0.015	249997806	60.0000	62

QC Flag Legend

M1- Compound response manually integrated because Target system did not integrate.



001021

035109

Report Date : 10-Jan-2007 14:10

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:18
End Cal Date : 12-DEC-2006 01:33
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Cal Date : 19-Dec-2006 14:46 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv18b.i/2061211.b/sv18b018.d
Level 2: /var/chem/gcsv18b.i/2061211.b/sv18b019.d
Level 3: /var/chem/gcsv18b.i/2061211.b/sv18b020.d
Level 4: /var/chem/gcsv18b.i/2061211.b/sv18b021.d
Level 5: /var/chem/gcsv18b.i/2061211.b/sv18b022.d
Level 6: /var/chem/gcsv18b.i/2061211.b/sv18b017.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	8597106	9175525	9148555	8842500	9036136	9297526	9016225	2.842
	3 gamma-BHC (Lindane)	7837278	8114107	8032092	7748829	7935182	+++++	7933498	1.845
	4 Heptachlor	6499475	6940214	6843651	6655376	6781683	+++++	6744080	2.541
	5 Aldrin	7329692	7707800	7426900	7198976	7289459	+++++	7390565	2.643
	6 beta-BHC	3789810	3686059	3573979	3449292	3532519	+++++	3606332	3.699
	7 delta-BHC	6840468	7491624	7632772	7396542	7619048	+++++	7396091	4.400
	8 Heptachlor epoxide	7101513	7091833	6715408	6401899	6554850	+++++	6773100	4.658
	9 Endosulfan I	5772319	6326779	6180278	5997034	6119153	+++++	6079113	3.431
	10 gamma-Chlordane	6540764	6517488	6451232	6270562	6370232	+++++	6430056	1.728
	11 alpha-Chlordane	5878604	6253428	6261923	6106957	6154127	+++++	6131008	2.539
	12 4,4'-DDE	6931876	6708632	6362683	6160985	6258442	+++++	6484523	5.003
	13 Dieldrin	7024971	6928030	6580430	6437893	6527465	+++++	6699758	3.881
	14 Endrin	5626660	5484709	5195362	5065115	5173659	+++++	5309101	4.442
	15 4,4'-DDD	5372207	5256257	5055751	4924160	5048120	+++++	5131299	3.502
	16 Endosulfan II	6002368	5687462	5564353	5419031	5524356	+++++	5639514	3.980
	17 4,4'-DDT	4891876	4918638	4962368	4802372	4972674	+++++	4909586	1.391
	18 Endrin aldehyde	4964577	4741294	4503638	4403488	4488441	+++++	4620288	4.973
	19 Methoxychlor	2331243	2161298	2171004	2154349	2252658	+++++	2214110	3.456
	20 Endosulfan sulfate	4875383	4717795	4601911	4454615	4581094	+++++	4646160	3.413
	21 Endrin ketone	6391518	6128070	5903212	5779301	5925033	+++++	6025427	3.981
M	23 AR 1016-AVG	572532	584481	582511	561098	540645	573402	569111	2.855

001022

035110

Report Date : 10-Jan-2007 14:10

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:18
End Cal Date : 12-DEC-2006 01:33
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Cal Date : 19-Dec-2006 14:46 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	119310	119318	130512	122499	115106	122538	121547	4.255
	25 AR 1016-PEAK2	159395	167568	168389	161457	153253	144778	159140	5.641
	26 AR 1016-PEAK3	141685	147693	139537	135966	135562	148790	141539	4.012
	27 AR 1016-PEAK4	152142	149903	144074	141176	136724	157296	146886	5.175
M	28 AR 1260-AVG	1712838	1705781	1649733	1575440	1541883	1664209	1641647	4.228
	29 AR 1260-PEAK1	158952	166546	166810	162612	158195	139527	158774	6.364
	30 AR 1260-PEAK2	342768	335352	319601	301185	288342	352847	323349	7.728
	31 AR 1260-PEAK3	404050	411260	399697	374126	369780	371504	388403	4.791
	32 AR 1260-PEAK4	807067	792623	763626	737518	725565	800331	771122	4.443
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	176410	+++++	+++++	+++++	176410	0.000
	38 AR 1221-PEAK1	+++++	+++++	24770	+++++	+++++	+++++	24770	0.000
	39 AR 1221-PEAK2	+++++	+++++	71170	+++++	+++++	+++++	71170	0.000
	40 AR 1221-PEAK3	+++++	+++++	43591	+++++	+++++	+++++	43591	0.000
	41 AR 1221-PEAK4	+++++	+++++	36880	+++++	+++++	+++++	36880	0.000
M	42 AR 1232-AVG	+++++	+++++	376459	+++++	+++++	+++++	376459	0.000
	43 AR 1232-PEAK1	+++++	+++++	144164	+++++	+++++	+++++	144164	0.000
	44 AR 1232-PEAK2	+++++	+++++	61974	+++++	+++++	+++++	61974	0.000
	45 AR 1232-PEAK3	+++++	+++++	114728	+++++	+++++	+++++	114728	0.000
	46 AR 1232-PEAK4	+++++	+++++	55593	+++++	+++++	+++++	55593	0.000
M	47 AR 1242-AVG	+++++	+++++	458958	+++++	+++++	+++++	458958	0.000
	48 AR 1242-PEAK1	+++++	+++++	94799	+++++	+++++	+++++	94799	0.000
	49 AR 1242-PEAK2	+++++	+++++	127005	+++++	+++++	+++++	127005	0.000
	50 AR 1242-PEAK3	+++++	+++++	113018	+++++	+++++	+++++	113018	0.000
	51 AR 1242-PEAK4	+++++	+++++	124136	+++++	+++++	+++++	124136	0.000
M	52 AR 1248-AVG	+++++	+++++	843415	+++++	+++++	+++++	843415	0.000

Report Date : 10-Jan-2007 14:10

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:18
End Cal Date : 12-DEC-2006 01:33
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Cal Date : 19-Dec-2006 14:46 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	177761	+++++	+++++	+++++	177761	0.000
	54 AR 1248-PEAK2	+++++	+++++	196064	+++++	+++++	+++++	196064	0.000
	55 AR 1248-PEAK3	+++++	+++++	242659	+++++	+++++	+++++	242659	0.000
	56 AR 1248-PEAK4	+++++	+++++	226932	+++++	+++++	+++++	226932	0.000
M	57 AR 1254-AVG	+++++	+++++	737850	+++++	+++++	+++++	737850	0.000
	58 AR 1254-PEAK1	+++++	+++++	100046	+++++	+++++	+++++	100046	0.000
	59 AR 1254-PEAK2	+++++	+++++	92726	+++++	+++++	+++++	92726	0.000
	60 AR 1254-PEAK3	+++++	+++++	185458	+++++	+++++	+++++	185458	0.000
	61 AR 1254-PEAK4	+++++	+++++	359620	+++++	+++++	+++++	359620	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	736275	+++++	736275	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	162317	+++++	162317	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	187244	+++++	187244	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	185558	+++++	185558	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	201155	+++++	201155	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	2104437	+++++	2104437	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	286741	+++++	286741	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	332128	+++++	332128	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	854464	+++++	854464	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	631103	+++++	631103	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	75 AR 1268-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	76 AR 1268-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	77 AR 1268-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	78 AR 1268 PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	79 AR 1262-AVG	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	80 AR 1262-PEAK1	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	81 AR 1262-PEAK2	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++

Report Date : 10-Jan-2007 14:10

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:18
End Cal Date : 12-DEC-2006 01:33
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Cal Date : 19-Dec-2006 14:46 tls
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
83 AR 1262-PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
175 kepone	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	6668937	6757159	6609851	6376683	6452925	+++++	6573111	2.374
$ 22 Decachlorobiphenyl	5715653	5395756	5229760	5085262	5193735	+++++	5324033	4.614

001025

035113

Report Date : 10-Jan-2007 14:10

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:18
End Cal Date : 12-DEC-2006 01:33
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Cal Date : 19-Dec-2006 14:46 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 3.90087
Maximun Average %RSD = 15.00000
* Passed Average %RSD Test.

001026

035114

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b001.d
Report Date: 12-Dec-2006 12:50

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b001.d
Lab Smp Id: deg
Inj Date : 11-DEC-2006 19:00
Operator : tls Inst ID: gcsv18b.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:50 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.702	8.707	-0.005	6328900	0.97600	0.0098
15 4,4'-DDD	9.372	9.376	-0.004	6048208	1.17869	0.012
17 4,4'-DDT	9.758	9.761	-0.003	355844468	72.4795	0.72
18 Endrin aldehyde	9.639	9.640	-0.001	3737527	0.80894	0.0081
21 Endrin ketone	10.517	10.521	-0.004	13486751	2.23831	0.022
14 Endrin	9.139	9.142	-0.003	323847609	60.9986	0.61

001027

035115

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:

$$\frac{6048208 + 6328900}{6048208 + 6328900 + 355844468} \times 100 = 3.4\ \%$$

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:

$$\frac{13486751 + 3737527}{13486751 + 3737527 + 323847609} \times 100 = 5.1\ \%$$

Endrin Breakdown Criteria: < 15%

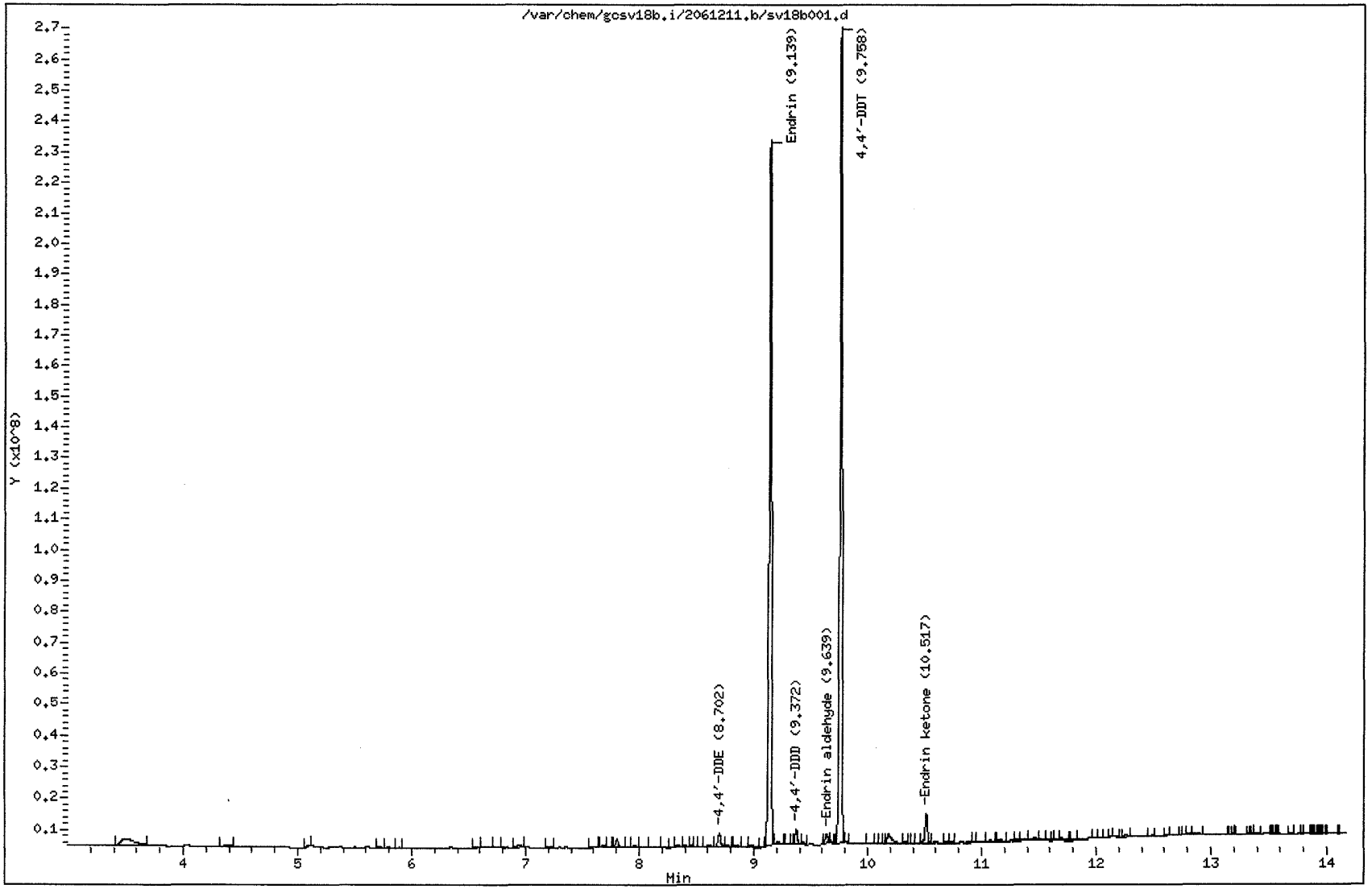
001028

035116

001029

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b001.d
Date : 11-DEC-2006 19:00
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



035117

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b002.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b002.d
Lab Smp Id: 1206
Inj Date : 11-DEC-2006 19:18
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1206*1 2.5
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 19:18 Cal File: sv18b002.d
Als bottle: 2 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)

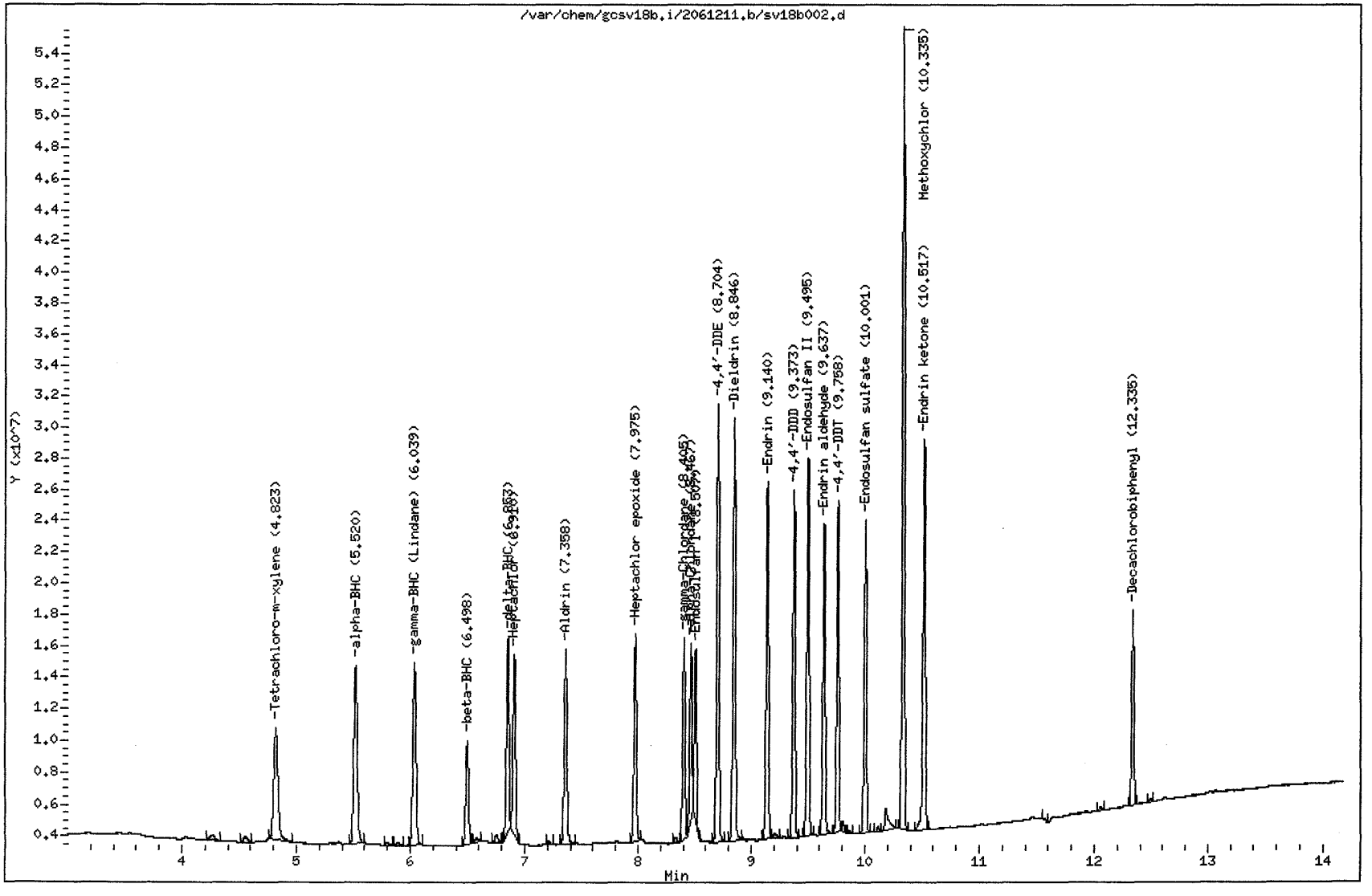
Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
2	alpha-BHC	5.520	5.520	0.000	23243814	2.50000	2.5
6	beta-BHC	6.498	6.499	-0.001	10745280	2.50000	
7	delta-BHC	6.853	6.851	0.002	18528967	2.50000	
5	Aldrin	7.358	7.359	-0.001	20120914	2.50000	
8	Heptachlor epoxide	7.975	7.972	0.003	19986184	2.50000	
10	gamma-Chlordane	8.405	8.408	-0.003	18172887	2.50000	
11	alpha-Chlordane	8.467	8.469	-0.002	15245564	2.50000	
12	4,4'-DDE	8.704	8.702	0.002	39205623	5.00000	
16	Endosulfan II	9.495	9.492	0.003	33609510	5.00000	
18	Endrin aldehyde	9.637	9.639	-0.002	28018281	5.00000	
20	Endosulfan sulfate	10.001	10.001	0.000	27758921	5.00000	
21	Endrin ketone	10.517	10.519	-0.002	36228264	5.00000	

001031

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b002.d
Date : 11-DEC-2006 19:18
Client ID:
Sample Info: 1206x1 2.5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



035119

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b003.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b003.d
Lab Smp Id: 1201
Inj Date : 11-DEC-2006 19:37
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1201*1 5
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 19:37 Cal File: sv18b003.d
Als bottle: 3 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.823	4.822	0.001	33344683	5.00000	5.0
2	alpha-BHC	5.523	5.521	0.002	42985532	5.00000	4.8
3	gamma-BHC (Lindane)	6.040	6.040	0.000	39186391	5.00000	5.0
6	beta-BHC	6.500	6.500	0.000	18949048	5.00000	5.0
7	delta-BHC	6.855	6.854	0.001	34202342	5.00000	5.0
4	Heptachlor	6.912	6.910	0.002	32497377	5.00000	5.0
5	Aldrin	7.360	7.359	0.001	36648460	5.00000	5.0
8	Heptachlor epoxide	7.976	7.975	0.001	35507564	5.00000	5.0
10	gamma-Chlordane	8.408	8.408	0.000	32703819	5.00000	5.0
11	alpha-Chlordane	8.469	8.469	0.000	29393018	5.00000	5.0
9	Endosulfan I	8.509	8.509	0.000	28861594	5.00000	5.0
12	4,4'-DDE	8.705	8.705	0.000	69318755	10.0000	10
13	Dieldrin	8.849	8.849	0.000	70249712	10.0000	10

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b003.d
Report Date: 12-Dec-2006 12:49

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.142	9.140	0.002	56266603	10.0000	10
15	4,4'-DDD	9.374	9.372	0.002	53722067	10.0000	10
16	Endosulfan II	9.496	9.495	0.001	60023680	10.0000	10
18	Endrin aldehyde	9.638	9.639	-0.001	49645771	10.0000	10
17	4,4'-DDT	9.760	9.759	0.001	48918765	10.0000	10
20	Endosulfan sulfate	10.003	10.001	0.002	48753828	10.0000	10
19	Methoxychlor	10.337	10.338	-0.001	116562169	50.0000	50
21	Endrin ketone	10.519	10.519	0.000	63915179	10.0000	10
$ 22	Decachlorobiphenyl	12.336	12.335	0.001	28578267	5.00000	5.0

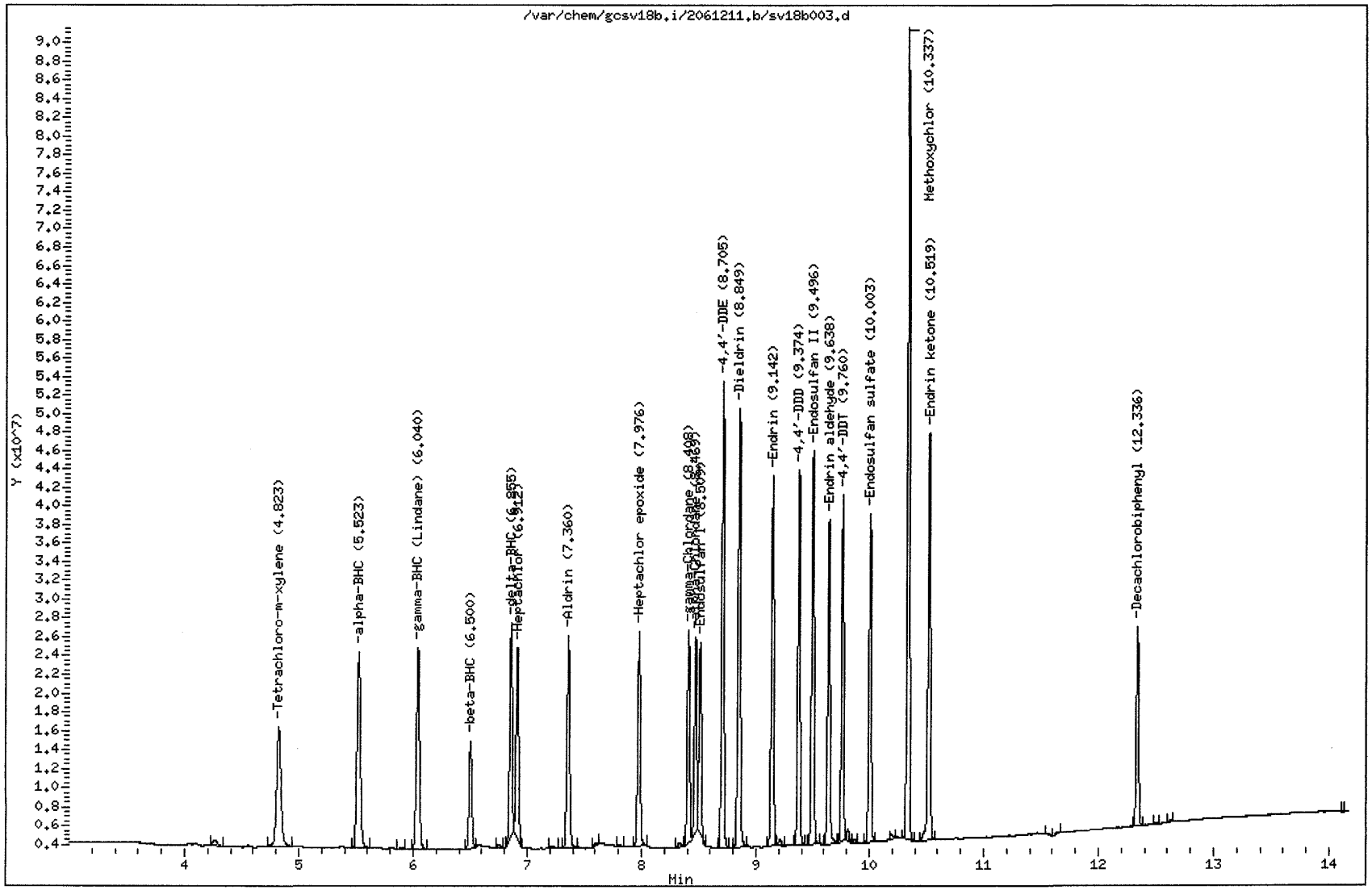
001033

035121

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b003.d
Date : 11-DEC-2006 19:37
Client ID:
Sample Info: 1201x1 5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

001034



Data File: /var/chem/gcsv18b.i/2061211.b/sv18b004.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b004.d
Lab Smp Id: 1202
Inj Date : 11-DEC-2006 19:56
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1202*1 20
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 19:56 Cal File: sv18b004.d
Als bottle: 4 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.825	4.822	0.003	135143186	20.0000	20
2	alpha-BHC	5.524	5.521	0.003	183510499	20.0000	20
3	gamma-BHC (Lindane)	6.042	6.040	0.002	162282134	20.0000	20
6	beta-BHC	6.502	6.500	0.002	73721186	20.0000	20
7	delta-BHC	6.856	6.856	0.000	149832477	20.0000	21
4	Heptachlor	6.912	6.911	0.001	138804276	20.0000	21
5	Aldrin	7.362	7.360	0.002	154155999	20.0000	21
8	Heptachlor epoxide	7.977	7.976	0.001	141836655	20.0000	20
10	gamma-Chlordane	8.410	8.409	0.001	130349766	20.0000	20
11	alpha-Chlordane	8.471	8.470	0.001	125068554	20.0000	21
9	Endosulfan I	8.510	8.509	0.001	126535582	20.0000	21
12	4,4'-DDE	8.707	8.706	0.001	268345294	40.0000	39
13	Dieldrin	8.850	8.849	0.001	277121218	40.0000	40

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b004.d
Report Date: 12-Dec-2006 12:49

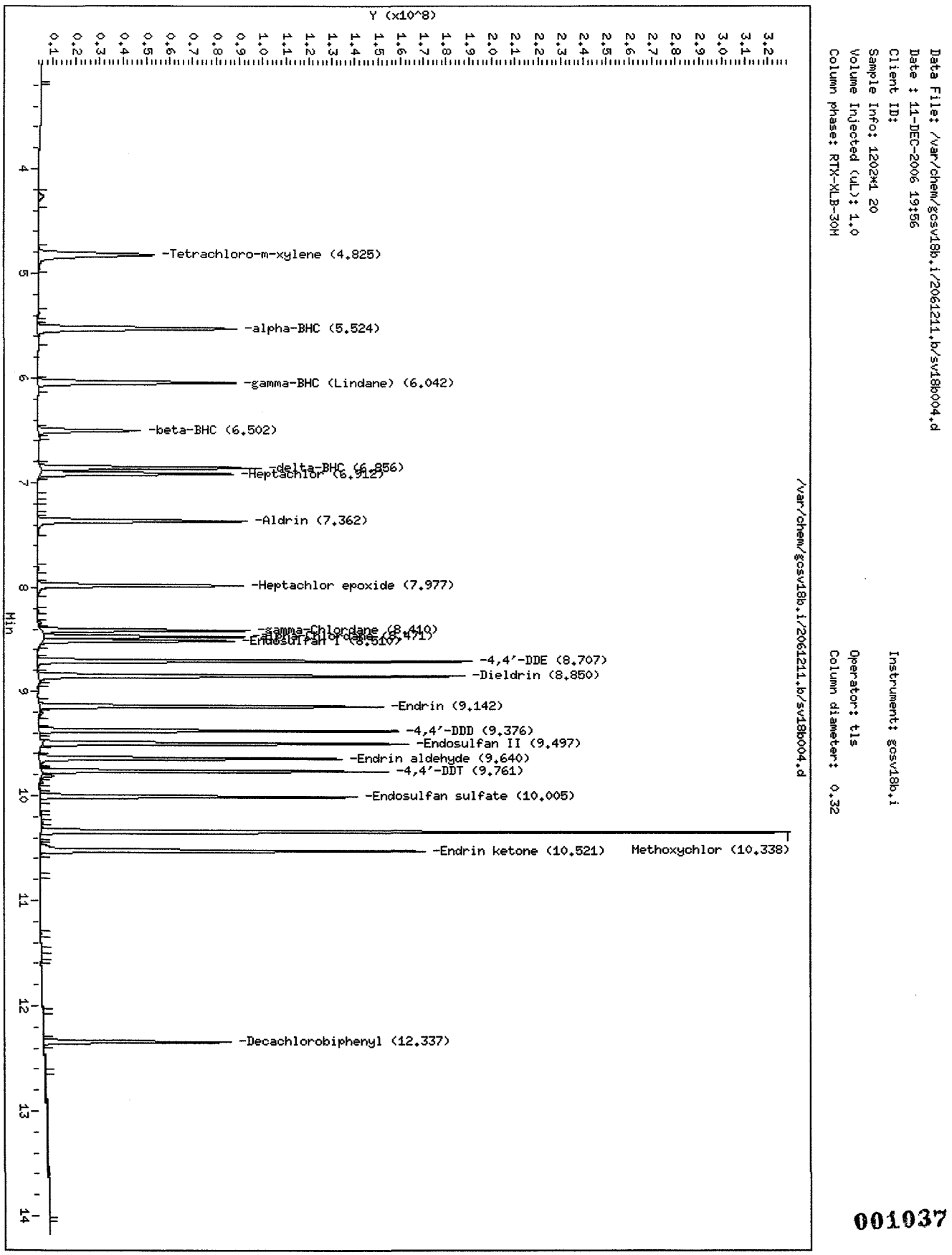
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.142	9.141	0.001	219388346	40.0000	39
15	4,4'-DDD	9.376	9.374	0.002	210250294	40.0000	40
16	Endosulfan II	9.497	9.496	0.001	227498466	40.0000	39 (M2)
18	Endrin aldehyde	9.640	9.639	0.001	189651780	40.0000	39
17	4,4'-DDT	9.761	9.760	0.001	196745513	40.0000	40
20	Endosulfan sulfate	10.005	10.002	0.003	188711819	40.0000	39
19	Methoxychlor	10.338	10.338	0.000	432259619	200.000	190
21	Endrin ketone	10.521	10.519	0.002	245122819	40.0000	39
$ 22	Decachlorobiphenyl	12.337	12.336	0.001	107915119	20.0000	19

QC Flag Legend

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

001036

035124



001037

035125

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b005.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b005.d
Lab Smp Id: 1203
Inj Date : 11-DEC-2006 20:14
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1203*1 60
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 20:14 Cal File: sv18b005.d
Als bottle: 5 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.826	4.823	0.003	396591065	60.0000	59
2	alpha-BHC	5.525	5.522	0.003	548913312	60.0000	61
3	gamma-BHC (Lindane)	6.043	6.041	0.002	481925544	60.0000	60
6	beta-BHC	6.502	6.500	0.002	214438752	60.0000	58
7	delta-BHC	6.858	6.856	0.002	457966308	60.0000	63
4	Heptachlor	6.913	6.911	0.002	410619068	60.0000	61
5	Aldrin	7.363	7.361	0.002	445614000	60.0000	60
8	Heptachlor epoxide	7.978	7.977	0.001	402924463	60.0000	58
10	gamma-Chlordane	8.410	8.409	0.001	387073931	60.0000	60
11	alpha-Chlordane	8.472	8.470	0.002	375715356	60.0000	61
9	Endosulfan I	8.511	8.510	0.001	370816669	60.0000	61
12	4,4'-DDE	8.708	8.706	0.002	763522006	120.000	110
13	Dieldrin	8.851	8.850	0.001	789651628	120.000	120

001038

035126

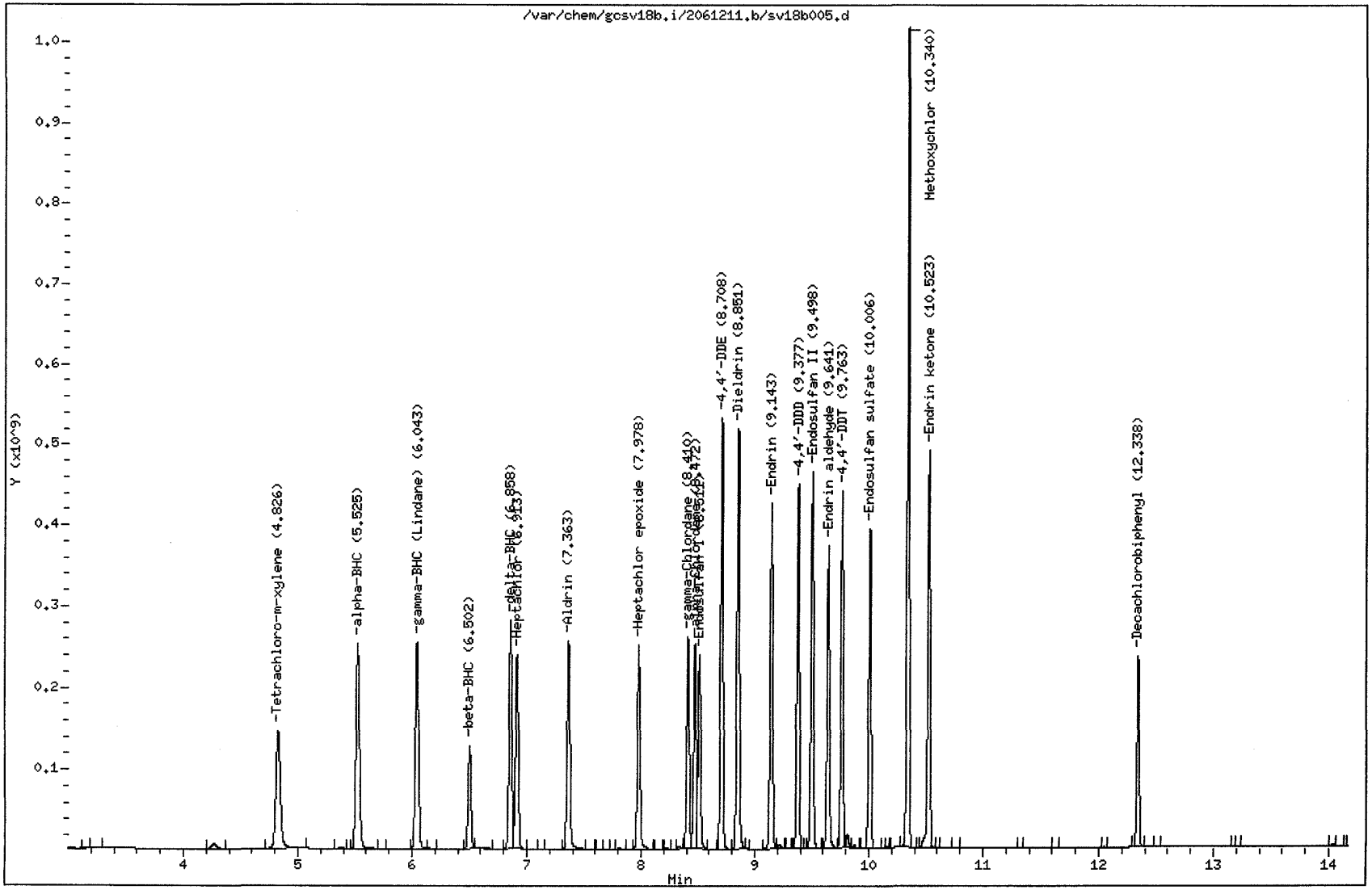
Data File: /var/chem/gcsv18b.i/2061211.b/sv18b005.d
Report Date: 12-Dec-2006 12:49

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.143	9.141	0.002	623443452	120.000	110
15 4,4'-DDD	9.377	9.375	0.002	606690076	120.000	120
16 Endosulfan II	9.498	9.497	0.001	667722336	120.000	120
18 Endrin aldehyde	9.641	9.640	0.001	540436538	120.000	110
17 4,4'-DDT	9.763	9.761	0.002	595484161	120.000	120
20 Endosulfan sulfate	10.006	10.003	0.003	552229329	120.000	120
19 Methoxychlor	10.340	10.339	0.001	1302602538	600.000	590
21 Endrin ketone	10.523	10.520	0.003	708385438	120.000	120
$ 22 Decachlorobiphenyl	12.338	12.337	0.001	313785627	60.0000	58

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b005.d
Date : 11-DEC-2006 20:14
Client ID:
Sample Info: 1203*1 60
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

001040



035128

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b006.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b006.d
Lab Smp Id: 1204
Inj Date : 11-DEC-2006 20:33
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1204*1 80
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 20:33 Cal File: sv18b006.d
Als bottle: 6 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.827	4.824	0.003	510134649	80.0000	77
2	alpha-BHC	5.525	5.523	0.002	707400004	80.0000	78
3	gamma-BHC (Lindane)	6.044	6.041	0.003	619906337	80.0000	78
6	beta-BHC	6.503	6.501	0.002	275943369	80.0000	76
7	delta-BHC	6.858	6.857	0.001	591723380	80.0000	81
4	Heptachlor	6.914	6.911	0.003	532430080	80.0000	79
5	Aldrin	7.363	7.361	0.002	575918091	80.0000	78
8	Heptachlor epoxide	7.979	7.977	0.002	512151907	80.0000	75(M2)
10	gamma-Chlordane	8.411	8.409	0.002	501644962	80.0000	78
11	alpha-Chlordane	8.472	8.470	0.002	488556526	80.0000	80
9	Endosulfan I	8.512	8.510	0.002	479762754	80.0000	79
12	4,4'-DDE	8.708	8.707	0.001	985757522	160.000	150
13	Dieldrin	8.851	8.850	0.001	1030062839	160.000	150

001041

035129

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b006.d
Report Date: 12-Dec-2006 12:49

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.144	9.141	0.003	810418334	160.000	150
15	4,4'-DDD	9.377	9.375	0.002	787865600	160.000	150
16	Endosulfan II	9.499	9.497	0.002	867044924	160.000	150
18	Endrin aldehyde	9.641	9.640	0.001	704558023	160.000	150
17	4,4'-DDT	9.764	9.761	0.003	768379508	160.000	160
20	Endosulfan sulfate	10.006	10.004	0.002	712738379	160.000	150
19	Methoxychlor	10.340	10.339	0.001	1723479128	800.000	780 (M2)
21	Endrin ketone	10.523	10.520	0.003	924688112	160.000	150
$ 22	Decachlorobiphenyl	12.338	12.337	0.001	406820931	80.0000	76

QC Flag Legend

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

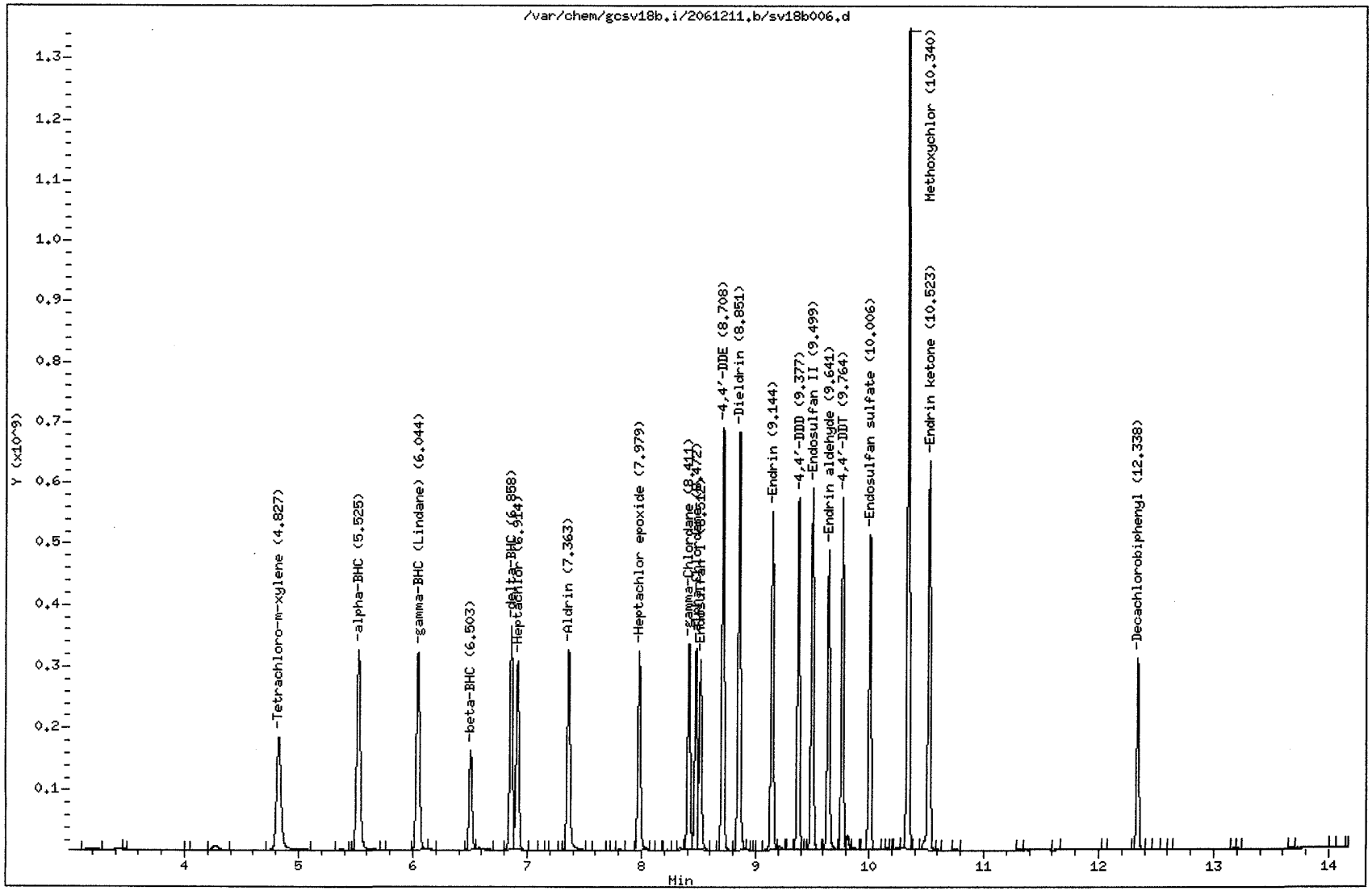
001042

035130

001043

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b006.d
Date : 11-DEC-2006 20:33
Client ID:
Sample Info: 1204x1 80
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



035131

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b007.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b007.d
Lab Smp Id: 1205
Inj Date : 11-DEC-2006 20:52
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1205*1 65-43-3
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 20:52 Cal File: sv18b007.d
Als bottle: 7 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.827	4.825	0.002	645292454	100.000	98
2	alpha-BHC	5.526	5.524	0.002	903613642	100.000	100(A)
3	gamma-BHC (Lindane)	6.044	6.041	0.003	793518170	100.000	100(A)
6	beta-BHC	6.503	6.501	0.002	353251872	100.000	98
7	delta-BHC	6.859	6.857	0.002	761904793	100.000	100(A)
4	Heptachlor	6.915	6.912	0.003	678168345	100.000	100(A)
5	Aldrin	7.363	7.361	0.002	728945889	100.000	99
8	Heptachlor epoxide	7.979	7.978	0.001	655484965	100.000	97
10	gamma-Chlordane	8.411	8.410	0.001	637023249	100.000	99
11	alpha-Chlordane	8.472	8.470	0.002	615412728	100.000	100(A)
9	Endosulfan I	8.512	8.510	0.002	611915303	100.000	100(A)
12	4,4'-DDE	8.709	8.707	0.002	1251688329	200.000	190
13	Dieldrin	8.852	8.850	0.002	1305493072	200.000	190

001044

035132

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b007.d
Report Date: 12-Dec-2006 12:49

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.145	9.142	0.003	1034731790	200.000	190
15	4,4'-DDD	9.378	9.376	0.002	1009623977	200.000	200
16	Endosulfan II	9.500	9.498	0.002	1104871274	200.000	200
18	Endrin aldehyde	9.642	9.640	0.002	897688199	200.000	190
17	4,4'-DDT	9.764	9.761	0.003	994534729	200.000	200(A)
20	Endosulfan sulfate	10.007	10.005	0.002	916218830	200.000	200
19	Methoxychlor	10.342	10.339	0.003	2252657513	1000.00	1000(AM1)
21	Endrin ketone	10.523	10.521	0.002	1185006659	200.000	200
$ 22	Decachlorobiphenyl	12.339	12.338	0.001	519373512	100.000	98

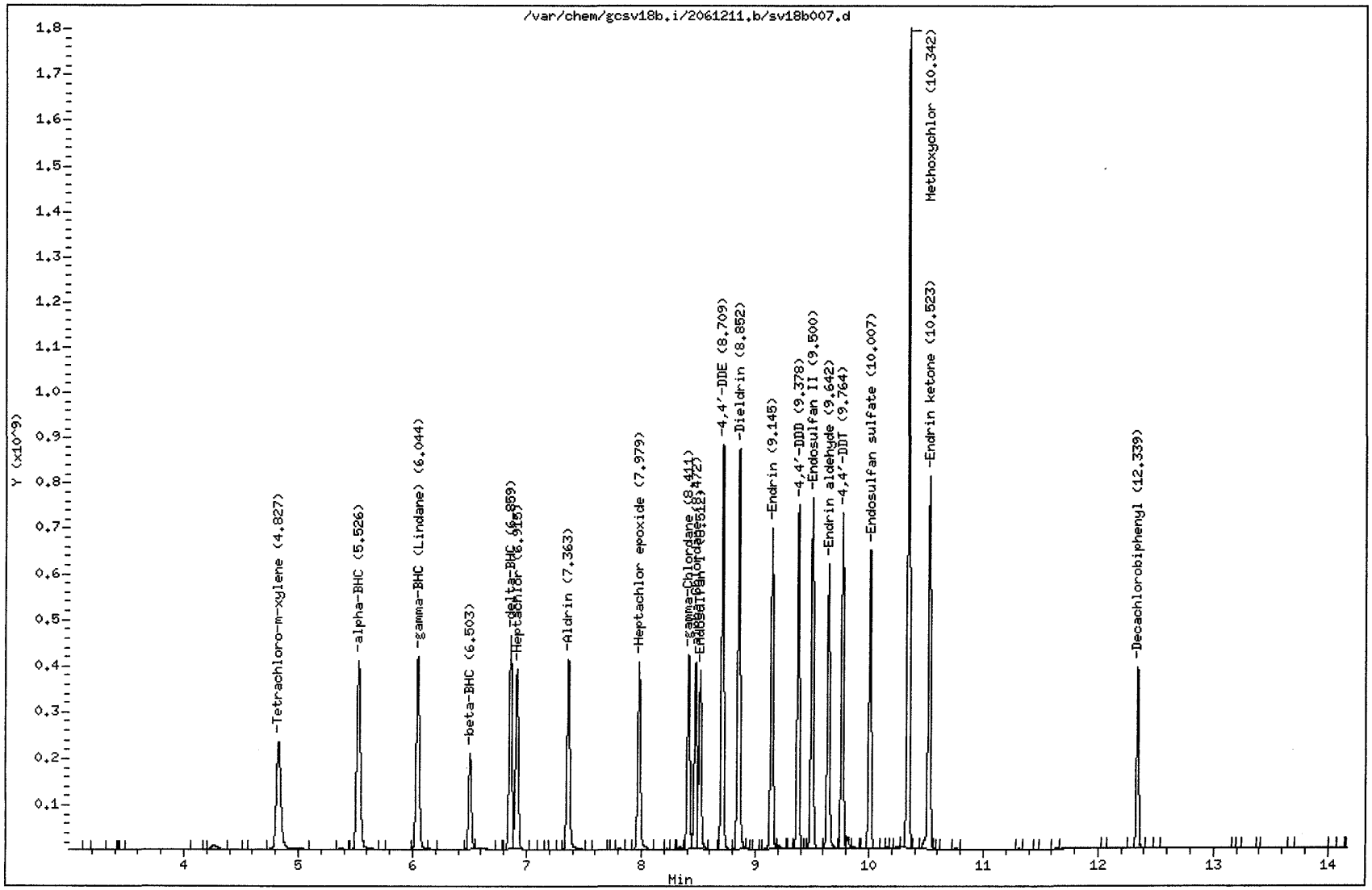
QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M1- Compound response manually integrated because Target system did not integrate.

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b007.d
Date : 11-DEC-2006 20:52
Client ID:
Sample Info: 1205x1 65-43-3
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

001046



Data File: /var/chem/gcsv18b.i/2061211.b/sv18b009.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b009.d
Lab Smp Id: 1205
Inj Date : 11-DEC-2006 21:29
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1205*1 65-29-3
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 21:29 Cal File: sv18b009.d
Als bottle: 9 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: chlor.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 68 CHLORDANE-AVG				841774747	400.000	400
69 CHLORDANE-PEAK1	6.605	6.608	-0.003	114696568	400.000	400
70 CHLORDANE-PEAK2	6.914	6.912	0.002	132851318	400.000	400
71 CHLORDANE-PEAK3	8.412	8.411	0.001	341785624	400.000	400
72 CHLORDANE-PEAK4	8.472	8.471	0.001	252441237	400.000	400

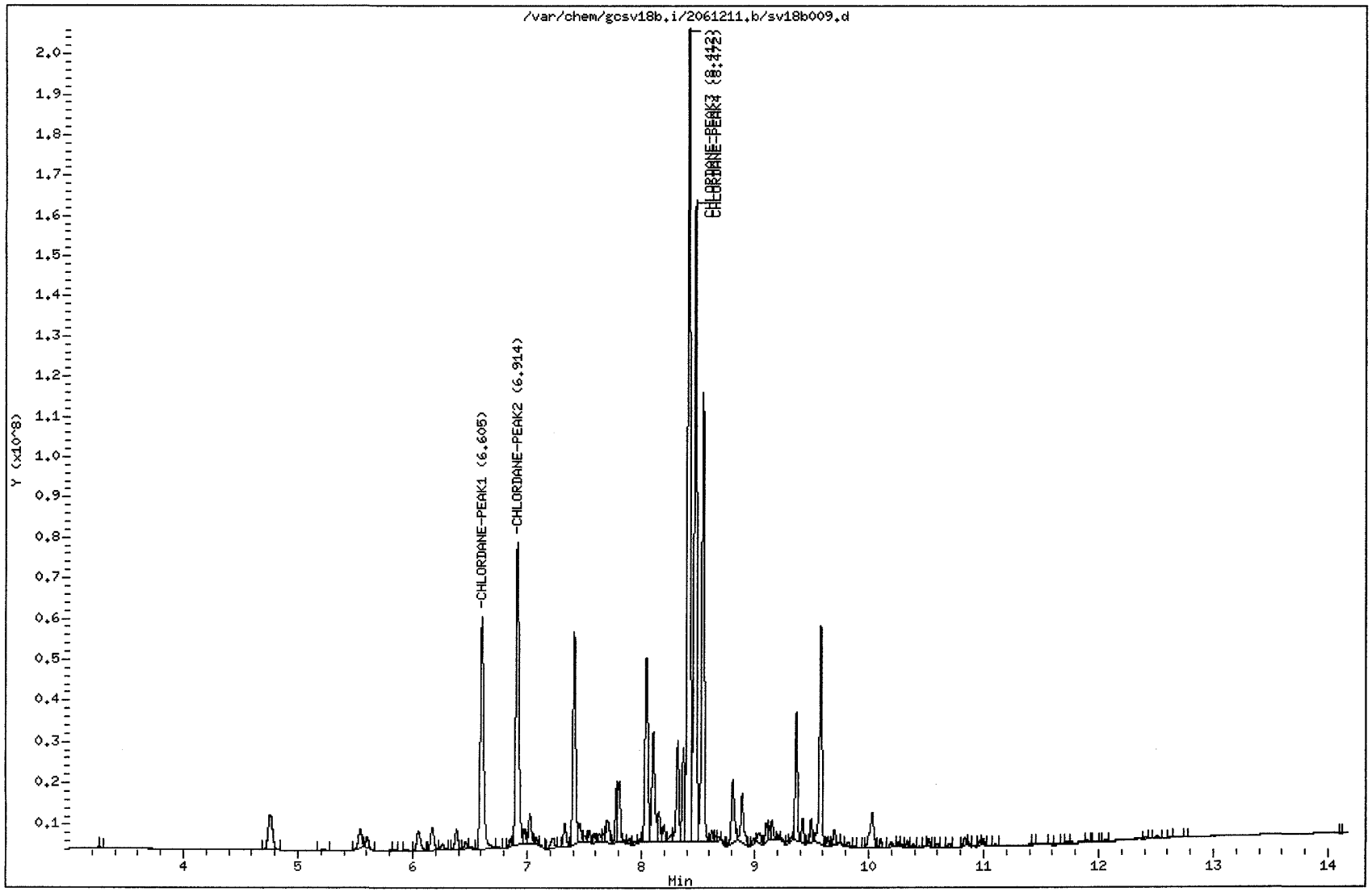
001047

035135

001048

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b009.d
Date : 11-DEC-2006 21:29
Client ID:
Sample Info: 1205x1 65-29-3
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



035136

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b010.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b010.d
Lab Smp Id: 1201
Inj Date : 11-DEC-2006 21:48
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1201*1 65-28-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 21:48 Cal File: sv18b010.d
Als bottle: 10 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)	
M	62 TOXAPHENE-AVG				134206130	250.000		(a)
	63 TOXAPHENE-PEAK1	9.903	9.902	0.001	30886481	250.000		(a)
	64 TOXAPHENE-PEAK2	10.130	10.130	0.000	34409857	250.000		(a)
	65 TOXAPHENE-PEAK3	10.602	10.601	0.001	32718132	250.000		(a)
	66 TOXAPHENE-PEAK4	11.019	11.020	-0.001	36191660	250.000		(a)

QC Flag Legend

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

001049

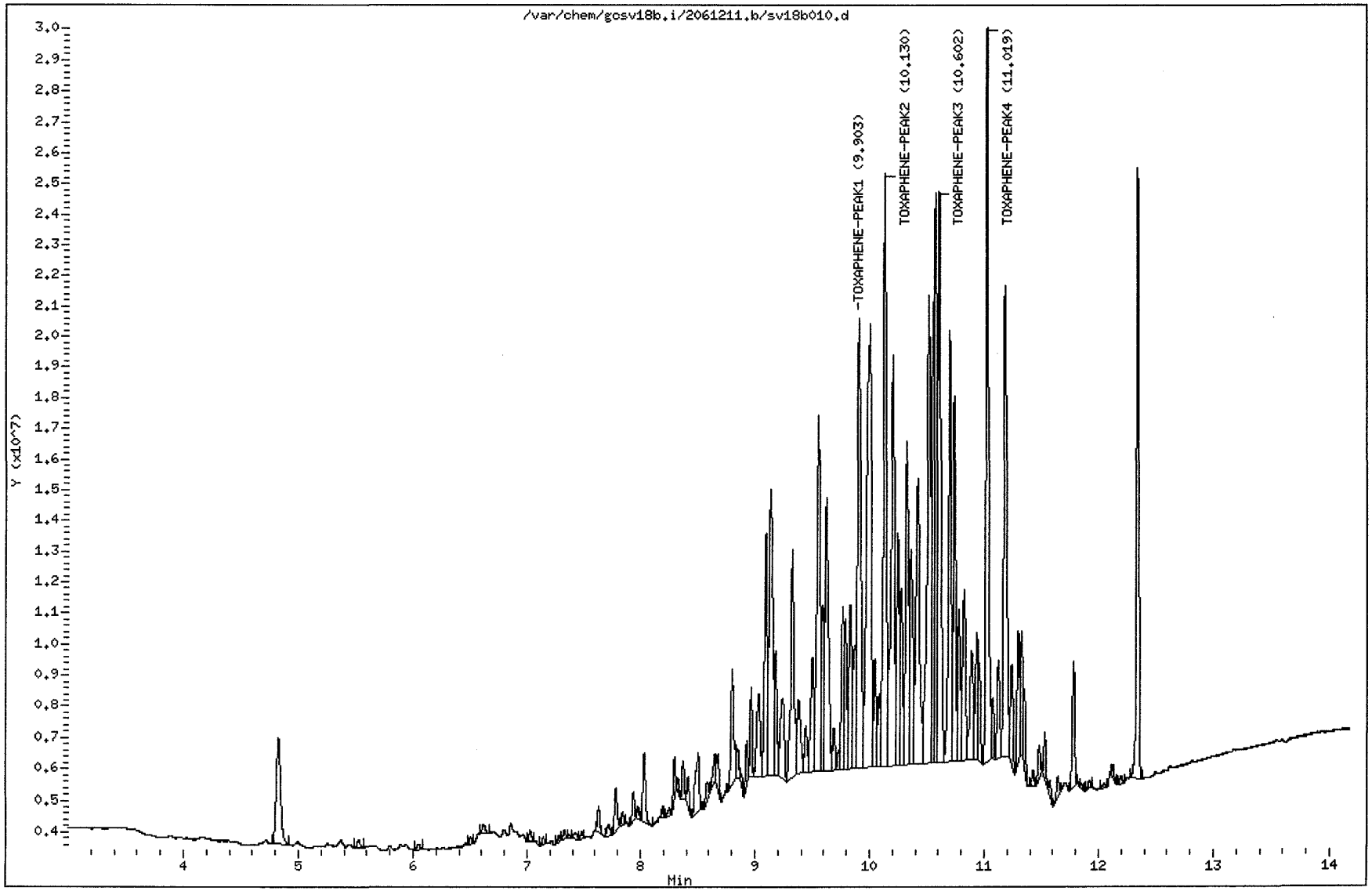
035137

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b010.d
Date : 11-DEC-2006 21:48
Client ID:
Sample Info: 1201*1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32

001050



035138

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b011.d
Report Date: 04-Jan-2007 16:06

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b011.d
Lab Smp Id: 1205
Inj Date : 11-DEC-2006 22:06
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1205*1 65-28-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:52 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 22:06 Cal File: sv18b011.d
Als bottle: 11 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: tox.sub
Target Version: 3.50

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

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

Cpnd Variable Local Compound Variable

						AMOUNTS	
						CAL-AMT	ON-COL
Compounds	RT	EXP RT	DLT RT	RESPONSE		(UG/L)	(UG/L)
M 62 TOXAPHENE-AVG				3681374466		5000.00	5000
63 TOXAPHENE-PEAK1	9.904	9.902	0.002	811582986		5000.00	5000
64 TOXAPHENE-PEAK2	10.131	10.130	0.001	936221997		5000.00	5000
65 TOXAPHENE-PEAK3	10.603	10.601	0.002	927792115		5000.00	5000
66 TOXAPHENE-PEAK4	11.020	11.020	0.000	1005777368		5000.00	5000

001051

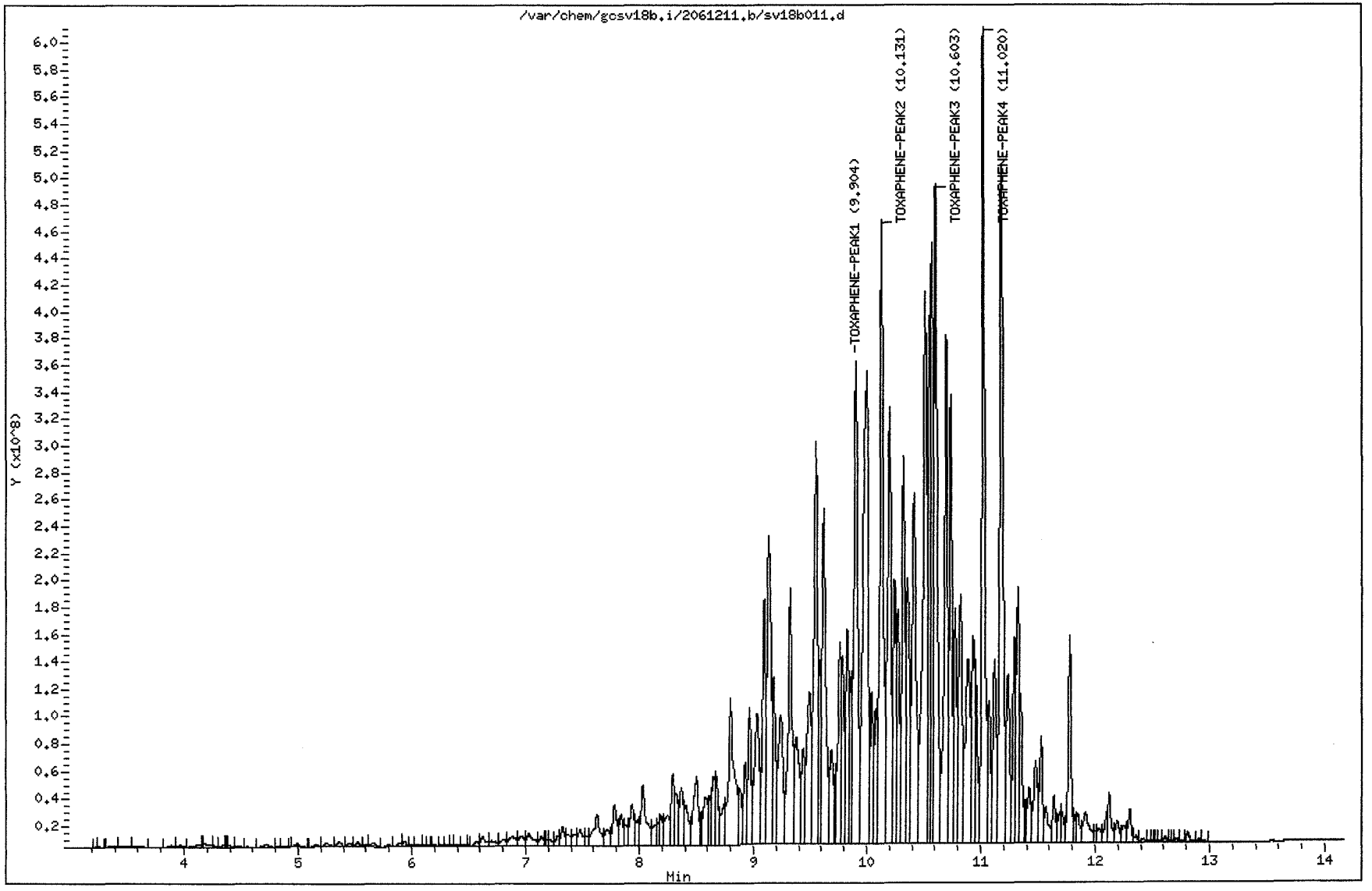
035139

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b011.d
Date : 11-DEC-2006 22:06
Client ID:
Sample Info: 1205x1 65-28-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i

Operator: tls
Column diameter: 0.32

001052



035140

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b008.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2061211
Sample Matrix: LIQUID
Fraction: SV
Lab Smp Id: 1600
Level: LOW
Operator: tls
Data Type: GC MULTI COMP
SampleType: LCS
SpikeList File: 8081icv.spk
Quant Type: ESTD
Sublist File: 8081.sub
Method File: /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
2 alpha-BHC	60	58	96.97	85-115
3 gamma-BHC (Lindane)	60	58	96.58	85-115
6 beta-BHC	60	57	94.86	85-115
4 Heptachlor	60	57	94.53	85-115
7 delta-BHC	60	58	96.47	85-115
5 Aldrin	60	58	96.49	85-115
8 Heptachlor epoxide	60	57	94.42	85-115
10 gamma-Chlordane	60	59	98.01	85-115
11 alpha-Chlordane	60	59	98.61	85-115
9 Endosulfan I	60	58	95.93	85-115
12 4,4'-DDE	60	57	95.79	85-115
13 Dieldrin	60	58	97.34	85-115
14 Endrin	60	56	93.81	85-115
15 4,4'-DDD	60	58	97.44	85-115
16 Endosulfan II	60	56	93.25	85-115
17 4,4'-DDT	60	54	90.13	85-115
18 Endrin aldehyde	60	56	92.56	85-115
20 Endosulfan sulfate	60	58	95.97	85-115
19 Methoxychlor	60	60	100.52	85-115
21 Endrin ketone	60	57	95.45	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

001053

035141

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b008.d
Report Date: 12-Dec-2006 12:49

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061211.b/sv18b008.d
Lab Smp Id: 1600
Inj Date : 11-DEC-2006 21:10
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1600*1 65-35-7
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Meth Date : 12-Dec-2006 12:49 tls Quant Type: ESTD
Cal Date : 11-DEC-2006 20:52 Cal File: sv18b007.d
Als bottle: 8 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	5.526	5.524	0.002	524598243	58.1838	58
3	gamma-BHC (Lindane)	6.043	6.041	0.002	459744510	57.9498	58
6	beta-BHC	6.502	6.501	0.001	205262242	56.9172	57
7	delta-BHC	6.858	6.857	0.001	428082099	57.8795	58
4	Heptachlor	6.915	6.912	0.003	382510243	56.7179	57
5	Aldrin	7.363	7.361	0.002	427856380	57.8922	58
8	Heptachlor epoxide	7.979	7.978	0.001	383692118	56.6494	57
10	gamma-Chlordane	8.411	8.410	0.001	378139691	58.8082	59
11	alpha-Chlordane	8.472	8.470	0.002	362747784	59.1661	59
9	Endosulfan I	8.511	8.510	0.001	349910321	57.5594	58
12	4,4'-DDE	8.707	8.707	0.000	372696568	57.4748	57
13	Dieldrin	8.851	8.850	0.001	391300414	58.4052	58
14	Endrin	9.144	9.142	0.002	298837878	56.2879	56

001054

035142

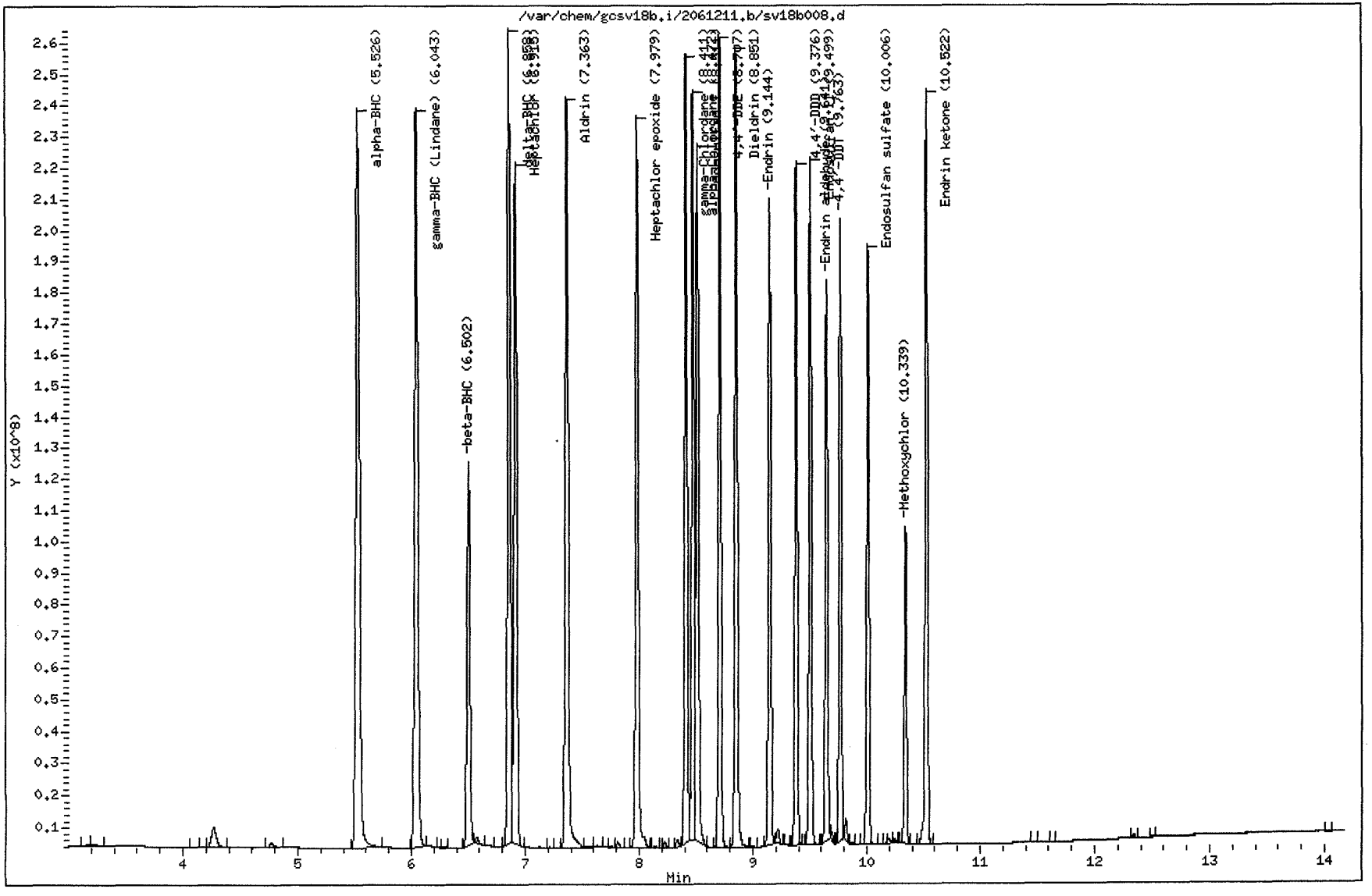
Data File: /var/chem/gcsv18b.i/2061211.b/sv18b008.d
Report Date: 12-Dec-2006 12:49

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/L)
15 4,4'-DDD	9.376	9.376	0.000	299992046	58.4632	58
16 Endosulfan II	9.499	9.498	0.001	315544695	55.9525	56
18 Endrin aldehyde	9.641	9.640	0.001	256578830	55.5331	56
17 4,4'-DDT	9.763	9.761	0.002	265496226	54.0771	54
20 Endosulfan sulfate	10.006	10.005	0.001	267542048	57.5835	58
19 Methoxychlor	10.339	10.339	0.000	133537978	60.3122	60
21 Endrin ketone	10.522	10.521	0.001	345092788	57.2728	57

Data File: /var/chem/gcsv18b.i/2061211.b/sv18b008.d
Date : 11-DEC-2006 21:10
Client ID:
Sample Info: 1600x1 65-35-7
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

001056



035144

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b001.d
Report Date: 16-Dec-2006 11:26

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b001.d
Lab Smp Id: deg
Inj Date : 16-DEC-2006 11:15
Operator : tls Inst ID: gcsv18b.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 16-Dec-2006 11:26 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.704	8.707	-0.003	14398800	2.22049	0.022
15 4,4'-DDD	9.375	9.376	-0.001	8927819	1.73988	0.017
17 4,4'-DDT	9.759	9.761	-0.002	416268703	84.7869	0.85
18 Endrin aldehyde	9.639	9.640	-0.001	8236861	1.78276	0.018
21 Endrin ketone	10.519	10.521	-0.002	19013200	3.15549	0.032
14 Endrin	9.141	9.142	-0.001	423184582	79.7093	0.80

001057

035145

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown: Formula

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

DDT Breakdown: Calculation

$$\frac{8927819 + 14398800}{8927819 + 14398800 + 416268703} \times 100 = 5.3\ \%$$

DDT Breakdown: Criteria < 15%

==========

Endrin Breakdown: Formula

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

Endrin Breakdown: Calculation

$$\frac{19013200 + 8236861}{19013200 + 8236861 + 423184582} \times 100 = 6.0\ \%$$

Endrin Breakdown: Criteria < 15%

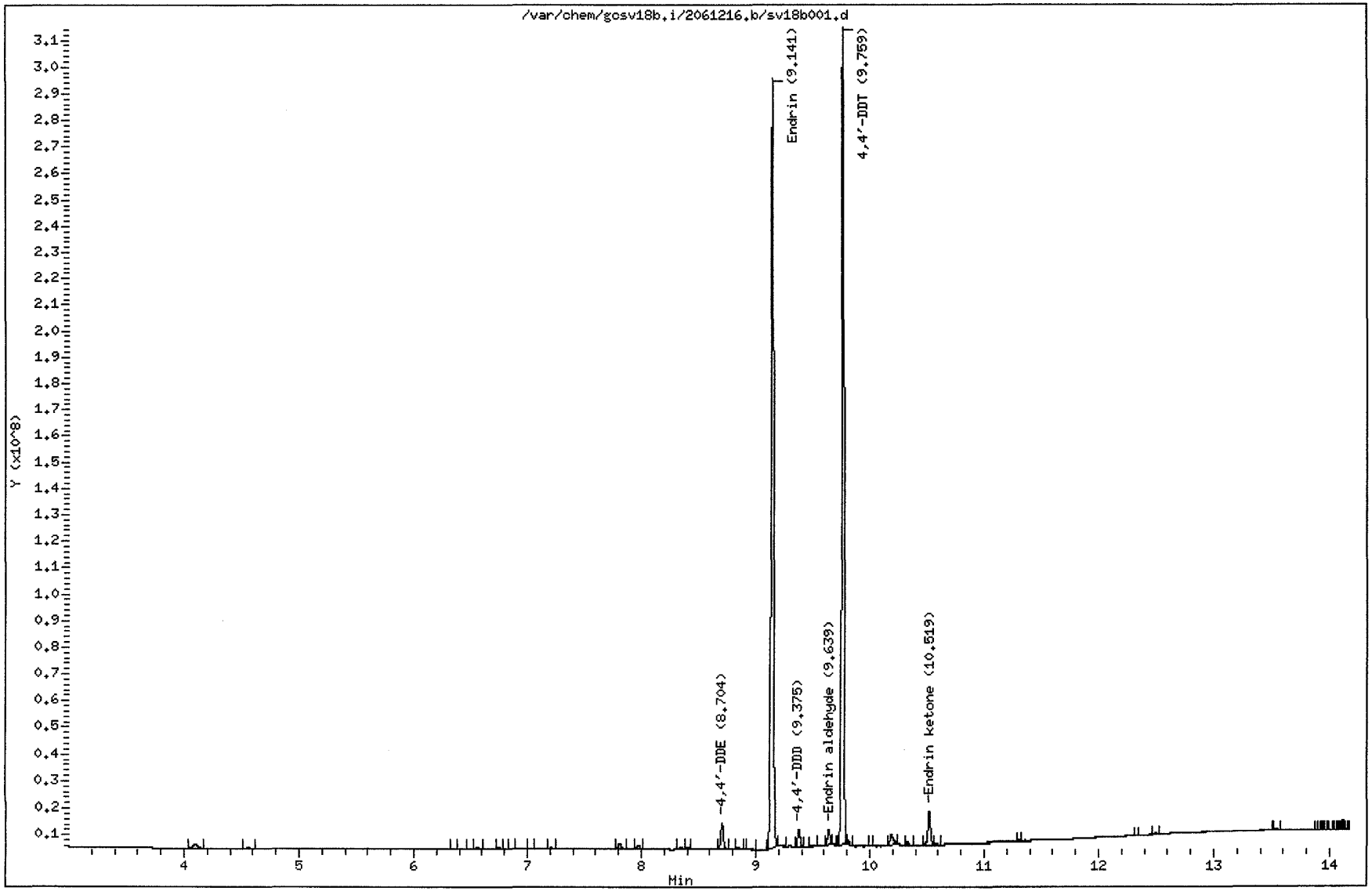
001058

035146

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b001.d
Date : 16-DEC-2006 11:15
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32

001059



035147

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b002.d
Report Date: 16-Dec-2006 11:42

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 16-DEC-2006 11:34
Lab File ID: sv18b002.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:18 01:33
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2061216.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	6573111	7332973	0.010	-11.56016	15.00000	Averaged	
2 alpha-BHC	9016225	9318756	0.010	-3.35541	15.00000	Averaged	
3 gamma-BHC (Lindane)	7933498	8160672	0.010	-2.86348	15.00000	Averaged	
6 beta-BHC	3606332	3669415	0.010	-1.74923	15.00000	Averaged	
7 delta-BHC	7396091	7237492	0.010	2.14436	15.00000	Averaged	
4 Heptachlor	6744080	7503080	0.010	-11.25432	15.00000	Averaged	
5 Aldrin	7390565	7765714	0.010	-5.07605	15.00000	Averaged	
8 Heptachlor epoxide	6773100	7094756	0.010	-4.74901	15.00000	Averaged	
10 gamma-Chlordane	6430056	6677190	0.010	-3.84342	15.00000	Averaged	
11 alpha-Chlordane	6131008	6468118	0.010	-5.49845	15.00000	Averaged	
9 Endosulfan I	6079113	6515500	0.010	-7.17848	15.00000	Averaged	
12 4,4'-DDE	6484523	6800709	0.010	-4.87600	15.00000	Averaged	
13 Dieldrin	6699758	7051375	0.010	-5.24821	15.00000	Averaged	
14 Endrin	5309101	5679986	0.010	-6.98583	15.00000	Averaged	
15 4,4'-DDD	5131299	5452064	0.010	-6.25115	15.00000	Averaged	
16 Endosulfan II	5639514	5836503	0.010	-3.49302	15.00000	Averaged	
18 Endrin aldehyde	4620288	4805894	0.010	-4.01721	15.00000	Averaged	
17 4,4'-DDT	4909586	5389981	0.010	-9.78484	15.00000	Averaged	
20 Endosulfan sulfate	4646160	4155412	0.010	10.56243	15.00000	Averaged	
19 Methoxychlor	2214110	1594604	0.010	27.97994	15.00000	Averaged	<-
21 Endrin ketone	6025427	5335030	0.010	11.45806	15.00000	Averaged	
$ 22 Decachlorobiphenyl	5324033	5227918	0.010	1.80532	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 6.89702
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001060

035148

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b002.d
Report Date: 16-Dec-2006 11:42

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b002.d
Lab Smp Id: 1400
Inj Date : 16-DEC-2006 11:34
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 65-45-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 16-Dec-2006 11:42 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 2 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

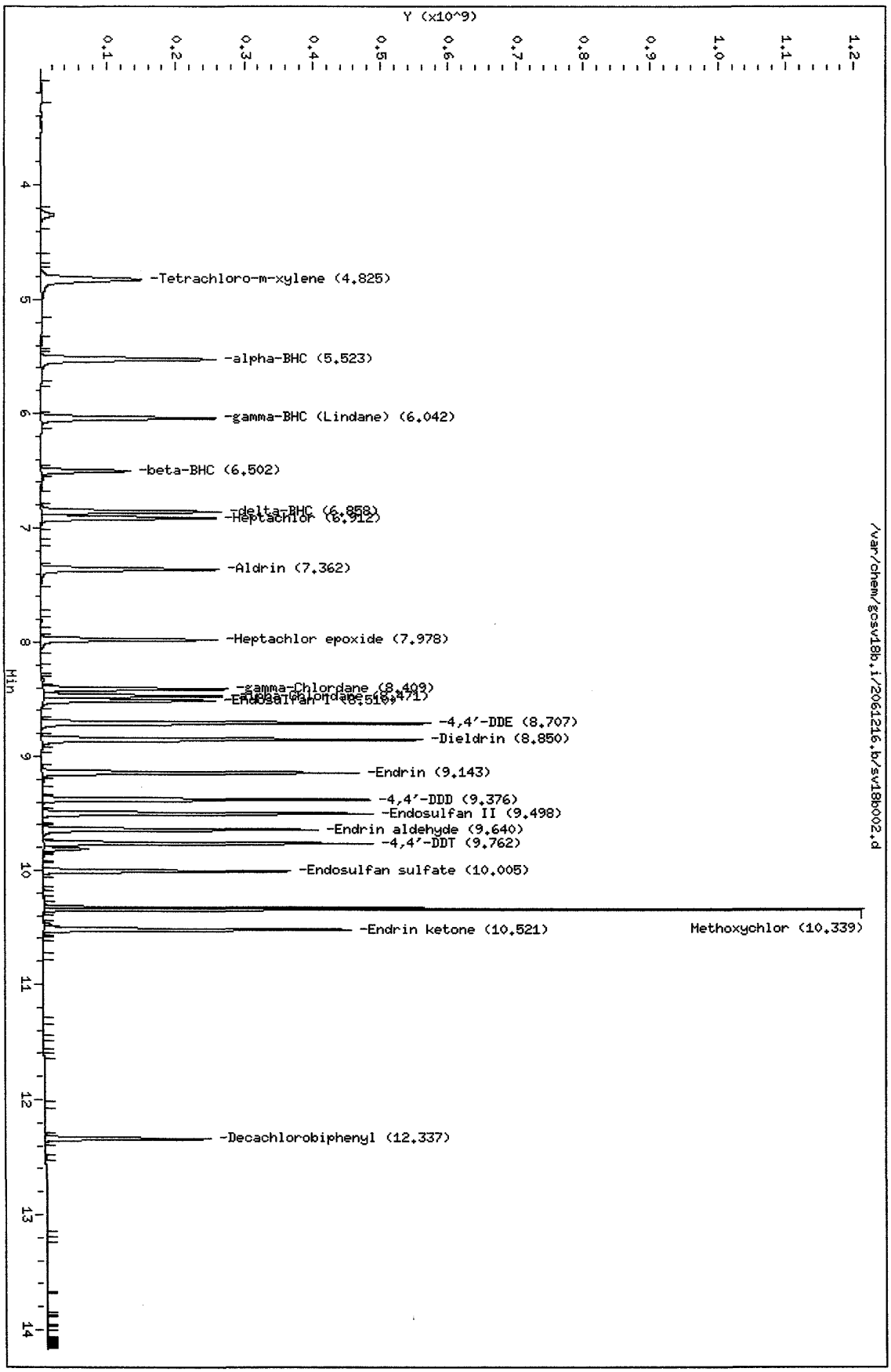
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.825	4.825	0.000	439978395	60.0000	67
2	alpha-BHC	5.523	5.524	-0.001	559125387	60.0000	62
3	gamma-BHC (Lindane)	6.042	6.041	0.001	489640312	60.0000	62
6	beta-BHC	6.502	6.501	0.001	220164882	60.0000	61
7	delta-BHC	6.858	6.857	0.001	434249541	60.0000	59
4	Heptachlor	6.912	6.911	0.001	450184822	60.0000	67
5	Aldrin	7.362	7.361	0.001	465942852	60.0000	63
8	Heptachlor epoxide	7.978	7.978	0.000	425685345	60.0000	63
10	gamma-Chlordane	8.409	8.409	0.000	400631370	60.0000	62
11	alpha-Chlordane	8.471	8.470	0.001	388087068	60.0000	63
9	Endosulfan I	8.510	8.510	0.000	390930023	60.0000	64
12	4,4'-DDE	8.707	8.707	0.000	816085067	120.000	130
13	Dieldrin	8.850	8.850	0.000	846165051	120.000	130

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b002.d
Report Date: 16-Dec-2006 11:42

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
	14 Endrin	9.143	9.142	0.001	681598272	120.000	130
	15 4,4'-DDD	9.376	9.376	0.000	654247676	120.000	130
	16 Endosulfan II	9.498	9.498	0.000	700380392	120.000	120
	18 Endrin aldehyde	9.640	9.640	0.000	576707298	120.000	120
	17 4,4'-DDT	9.762	9.761	0.001	646797662	120.000	130
	20 Endosulfan sulfate	10.005	10.004	0.001	498649486	120.000	110
	19 Methoxychlor	10.339	10.339	0.000	956762222	600.000	430
	21 Endrin ketone	10.521	10.520	0.001	640203601	120.000	110
$	22 Decachlorobiphenyl	12.337	12.337	0.000	313675060	60.0000	59



001063

035151

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b020.d
Report Date: 18-Dec-2006 07:42

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 16-DEC-2006 19:42
Lab File ID: sv18b020.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:18 01:33
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2061216.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	6573111	6513592	0.010	0.90550	15.00000	Averaged	
2 alpha-BHC	9016225	9271031	0.010	-2.82608	15.00000	Averaged	
3 gamma-BHC (Lindane)	7933498	8143787	0.010	-2.65065	15.00000	Averaged	
6 beta-BHC	3606332	3559903	0.010	1.28741	15.00000	Averaged	
7 delta-BHC	7396091	7786160	0.010	-5.27399	15.00000	Averaged	
4 Heptachlor	6744080	6736518	0.010	0.11213	15.00000	Averaged	
5 Aldrin	7390565	7234391	0.010	2.11315	15.00000	Averaged	
8 Heptachlor epoxide	6773100	6370818	0.010	5.93941	15.00000	Averaged	
10 gamma-Chlordane	6430056	5892491	0.010	8.36018	15.00000	Averaged	
11 alpha-Chlordane	6131008	5523640	0.010	9.90648	15.00000	Averaged	
9 Endosulfan I	6079113	5569182	0.010	8.38824	15.00000	Averaged	
12 4,4'-DDE	6484523	6326446	0.010	2.43777	15.00000	Averaged	
13 Dieldrin	6699758	6574342	0.010	1.87196	15.00000	Averaged	
14 Endrin	5309101	5591159	0.010	-5.31272	15.00000	Averaged	
15 4,4'-DDD	5131299	5268335	0.010	-2.67059	15.00000	Averaged	
16 Endosulfan II	5639514	5371888	0.010	4.74556	15.00000	Averaged	
18 Endrin aldehyde	4620288	4465507	0.010	3.35003	15.00000	Averaged	
17 4,4'-DDT	4909586	4943637	0.010	-0.69358	15.00000	Averaged	
20 Endosulfan sulfate	4646160	4935632	0.010	-6.23035	15.00000	Averaged	
19 Methoxychlor	2214110	1613580	0.010	27.12286	15.00000	Averaged	<-
21 Endrin ketone	6025427	6124968	0.010	-1.65201	15.00000	Averaged	
$ 22 Decachlorobiphenyl	5324033	4796444	0.010	9.90958	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 5.17092
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001064

035152

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b020.d
Report Date: 18-Dec-2006 07:42

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b020.d
Lab Smp Id: 1400
Inj Date : 16-DEC-2006 19:42
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 65-44-5
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 18-Dec-2006 07:42 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 20 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.826	4.825	0.001	390815495	60.0000	59
2	alpha-BHC	5.524	5.524	0.000	556261840	60.0000	62
3	gamma-BHC (Lindane)	6.042	6.041	0.001	488627192	60.0000	62
6	beta-BHC	6.503	6.501	0.002	213594200	60.0000	59
7	delta-BHC	6.858	6.857	0.001	467169587	60.0000	63
4	Heptachlor	6.911	6.911	0.000	404191058	60.0000	60
5	Aldrin	7.360	7.360	0.000	434063483	60.0000	59
8	Heptachlor epoxide	7.976	7.977	-0.001	382249083	60.0000	56
10	gamma-Chlordane	8.409	8.409	0.000	353549473	60.0000	55
11	alpha-Chlordane	8.469	8.470	-0.001	331418422	60.0000	54
9	Endosulfan I	8.509	8.510	-0.001	334150929	60.0000	55
12	4,4'-DDE	8.705	8.707	-0.002	759173511	120.000	120
13	Dieldrin	8.849	8.850	-0.001	788920984	120.000	120

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b020.d
Report Date: 18-Dec-2006 07:42

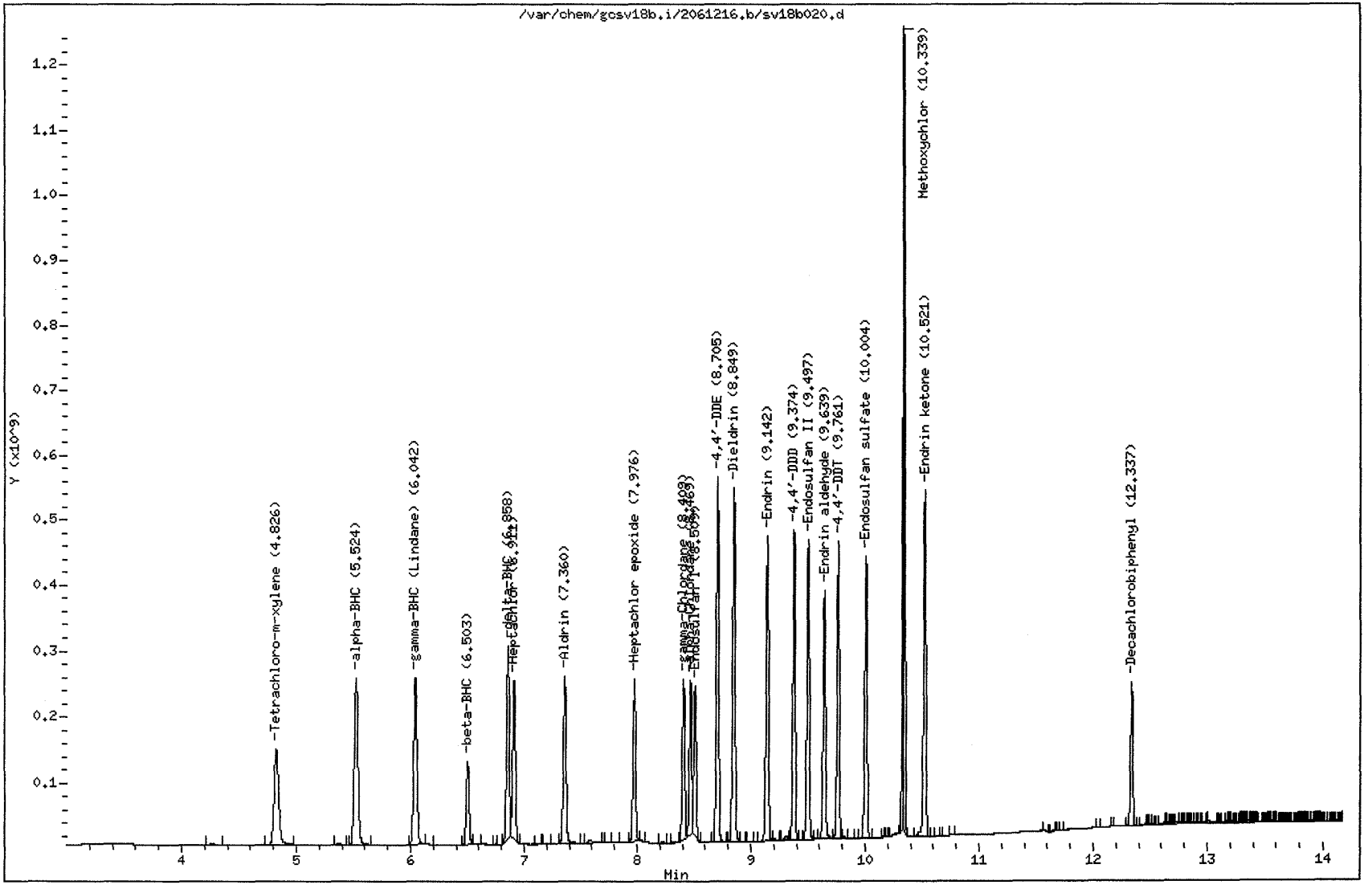
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.142	9.141	0.001	670939060	120.000	130
15 4,4'-DDD	9.374	9.376	-0.002	632200193	120.000	120
16 Endosulfan II	9.497	9.498	-0.001	644626514	120.000	110
18 Endrin aldehyde	9.639	9.640	-0.001	535860783	120.000	120
17 4,4'-DDT	9.761	9.761	0.000	593236492	120.000	120
20 Endosulfan sulfate	10.004	10.004	0.000	592275795	120.000	130
19 Methoxychlor	10.339	10.339	0.000	968148212	600.000	440
21 Endrin ketone	10.521	10.520	0.001	734996121	120.000	120
$ 22 Decachlorobiphenyl	12.337	12.337	0.000	287786647	60.0000	54

001066

035154

001067

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b020.d
Date : 16-DEC-2006 19:42
Client ID:
Instrument: gcsv18b.i
Sample Info: 1400x1 65-44-5
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-XLB-30M
Column diameter: 0.32



035155

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b023.d
Report Date: 18-Dec-2006 09:12

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b023.d
Lab Smp Id: deg
Inj Date : 18-DEC-2006 08:18
Operator : tls Inst ID: gcsv18b.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 18-Dec-2006 07:42 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 23
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.707	8.707	0.000	2209449	0.34073	0.0034
15 4,4'-DDD	9.375	9.376	-0.001	11765843	2.29296	0.023
17 4,4'-DDT	9.761	9.761	0.000	384943736	78.4066	0.78
18 Endrin aldehyde	9.640	9.640	0.000	7564843	1.63731	0.016
21 Endrin ketone	10.520	10.520	0.000	23969135	3.97800	0.040
14 Endrin	9.142	9.141	0.001	392190622	73.8714	0.74

035156

Gulf Coast Analytical Laboratories, Inc.

Breakdown Calculation

DDT Breakdown:
Formula

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

DDT Breakdown:
Calculation

$$\frac{11765843 + 2209449}{11765843 + 2209449 + 384943736} \times 100 = 3.5\ \%$$

DDT Breakdown:
Criteria < 15%

==========

Endrin Breakdown:
Formula

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

Endrin Breakdown:
Calculation

$$\frac{23969135 + 7564843}{23969135 + 7564843 + 392190622} \times 100 = 7.4\ \%$$

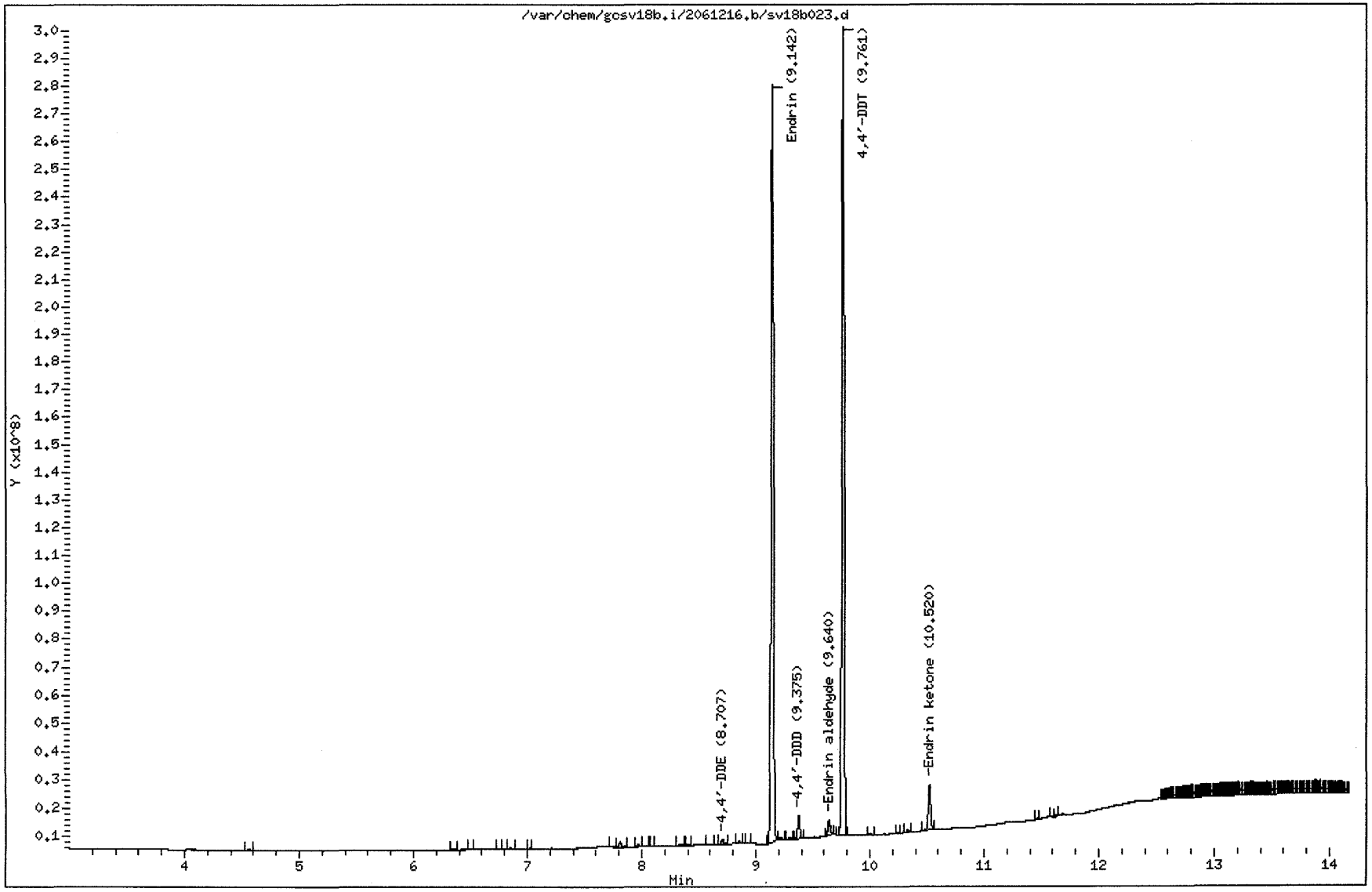
Endrin Breakdown:
Criteria < 15%

001069

035157

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b023.d
Date : 18-DEC-2006 08:18
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv18b.i/2061216.b/sv18b024.d
Report Date: 18-Dec-2006 09:13

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 18-DEC-2006 08:37
Lab File ID: sv18b024.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:18 01:33
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2061216.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	6573111	6708752	0.010	-2.06357	15.00000	Averaged
2 alpha-BHC	9016225	9496538	0.010	-5.32721	15.00000	Averaged
3 gamma-BHC (Lindane)	7933498	8317830	0.010	-4.84443	15.00000	Averaged
6 beta-BHC	3606332	3655968	0.010	-1.37635	15.00000	Averaged
7 delta-BHC	7396091	8039068	0.010	-8.69348	15.00000	Averaged
4 Heptachlor	6744080	6684972	0.010	0.87644	15.00000	Averaged
5 Aldrin	7390565	7584522	0.010	-2.62438	15.00000	Averaged
8 Heptachlor epoxide	6773100	6869345	0.010	-1.42099	15.00000	Averaged
10 gamma-Chlordane	6430056	6340401	0.010	1.39430	15.00000	Averaged
11 alpha-Chlordane	6131008	6004444	0.010	2.06432	15.00000	Averaged
9 Endosulfan I	6079113	6031020	0.010	0.79111	15.00000	Averaged
12 4,4'-DDE	6484523	6568181	0.010	-1.29012	15.00000	Averaged
13 Dieldrin	6699758	6763449	0.010	-0.95065	15.00000	Averaged
14 Endrin	5309101	5336990	0.010	-0.52531	15.00000	Averaged
15 4,4'-DDD	5131299	5346833	0.010	-4.20039	15.00000	Averaged
16 Endosulfan II	5639514	5707185	0.010	-1.19995	15.00000	Averaged
18 Endrin aldehyde	4620288	4645476	0.010	-0.54516	15.00000	Averaged
17 4,4'-DDT	4909586	4949331	0.010	-0.80955	15.00000	Averaged
20 Endosulfan sulfate	4646160	5050723	0.010	-8.70748	15.00000	Averaged
19 Methoxychlor	2214110	2367406	0.010	-6.92355	15.00000	Averaged
21 Endrin ketone	6025427	6292599	0.010	-4.43408	15.00000	Averaged
$ 22 Decachlorobiphenyl	5324033	4926687	0.010	7.46325	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.11482
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001071

035159

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b024.d
Report Date: 18-Dec-2006 09:13

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b024.d
Lab Smp Id: 1400
Inj Date : 18-DEC-2006 08:37
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 65-45-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 18-Dec-2006 09:13 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 24 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.826	4.825	0.001	402525112	60.0000	61
2	alpha-BHC	5.524	5.524	0.000	569792269	60.0000	63
3	gamma-BHC (Lindane)	6.041	6.041	0.000	499069816	60.0000	63
6	beta-BHC	6.501	6.501	0.000	219358055	60.0000	61
7	delta-BHC	6.856	6.857	-0.001	482344096	60.0000	65
4	Heptachlor	6.910	6.911	-0.001	401098343	60.0000	59
5	Aldrin	7.359	7.360	-0.001	455071296	60.0000	62
8	Heptachlor epoxide	7.975	7.977	-0.002	412160713	60.0000	61
10	gamma-Chlordane	8.407	8.409	-0.002	380424073	60.0000	59
11	alpha-Chlordane	8.469	8.470	-0.001	360266626	60.0000	59
9	Endosulfan I	8.508	8.510	-0.002	361861223	60.0000	60
12	4,4'-DDE	8.704	8.707	-0.003	788181768	120.000	120
13	Dieldrin	8.848	8.849	-0.001	811613937	120.000	120

001072

035160

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b024.d
Report Date: 18-Dec-2006 09:13

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.140	9.141	-0.001	640438823	120.000	120
15	4,4'-DDD	9.374	9.375	-0.001	641620014	120.000	130
16	Endosulfan II	9.496	9.497	-0.001	684862204	120.000	120
18	Endrin aldehyde	9.639	9.640	-0.001	557457064	120.000	120
17	4,4'-DDT	9.759	9.760	-0.001	593919729	120.000	120
20	Endosulfan sulfate	10.004	10.004	0.000	606086755	120.000	130
19	Methoxychlor	10.337	10.339	-0.002	1420443316	600.000	640 (M2)
21	Endrin ketone	10.519	10.520	-0.001	755111902	120.000	130
$ 22	Decachlorobiphenyl	12.334	12.337	-0.003	295601230	60.0000	56

QC Flag Legend

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

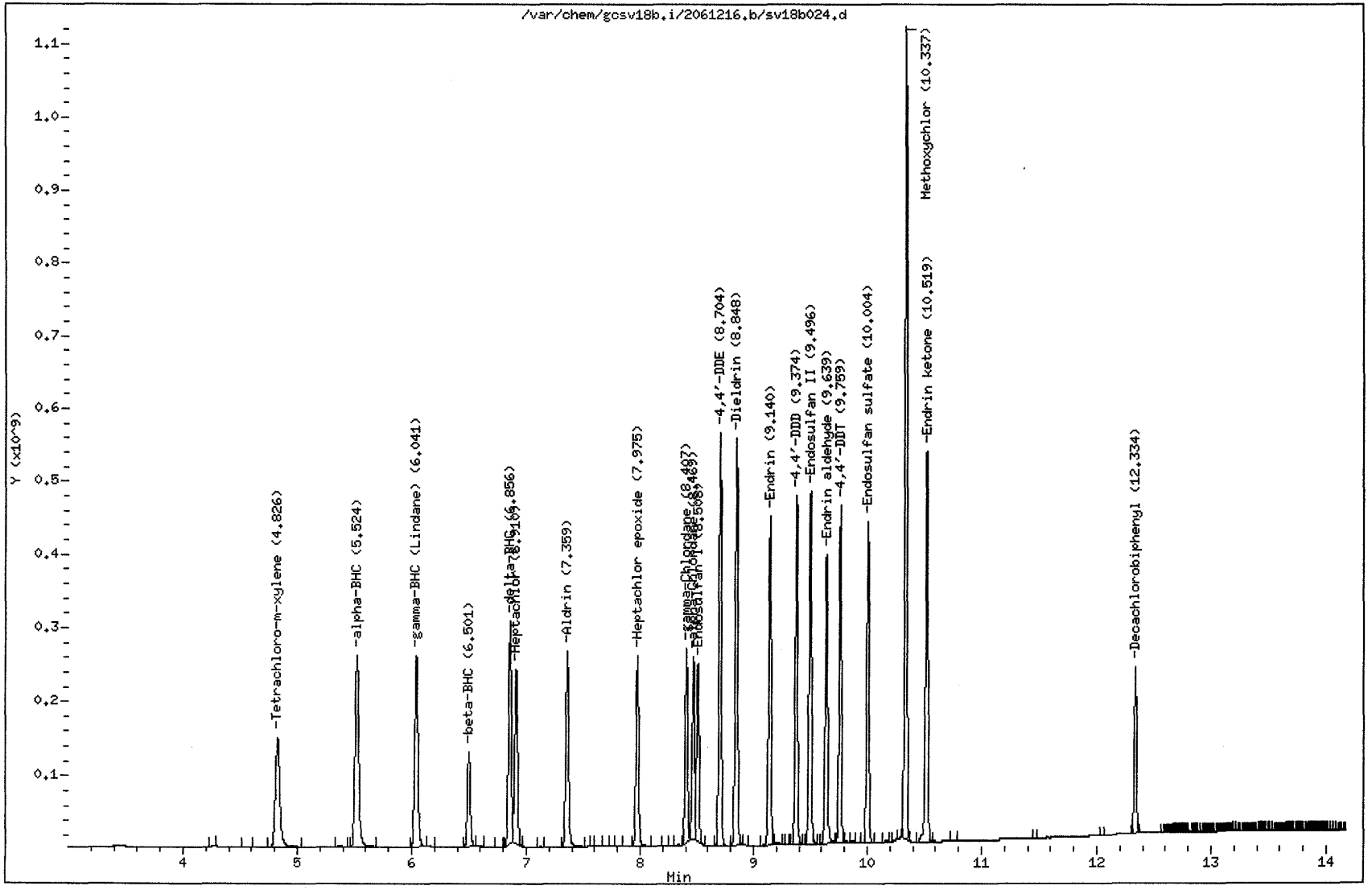
001073

035161

001074

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b024.d
Date : 18-DEC-2006 08:37
Client ID:
Sample Info: 1400x1 65-45-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



035162

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b036.d
Report Date: 18-Dec-2006 15:06

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 18-DEC-2006 14:02
Lab File ID: sv18b036.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:18 01:33
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2061216.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
$ 1 Tetrachloro-m-xylene	6573111	6768649	0.010	-2.97482	15.00000	Averaged	
2 alpha-BHC	9016225	9554004	0.010	-5.96458	15.00000	Averaged	
3 gamma-BHC (Lindane)	7933498	8287979	0.010	-4.46816	15.00000	Averaged	
6 beta-BHC	3606332	3613748	0.010	-0.20563	15.00000	Averaged	
7 delta-BHC	7396091	7631133	0.010	-3.17792	15.00000	Averaged	
4 Heptachlor	6744080	6659090	0.010	1.26021	15.00000	Averaged	
5 Aldrin	7390565	7513474	0.010	-1.66305	15.00000	Averaged	
8 Heptachlor epoxide	6773100	6788670	0.010	-0.22988	15.00000	Averaged	
10 gamma-Chlordane	6430056	6201613	0.010	3.55273	15.00000	Averaged	
11 alpha-Chlordane	6131008	5512248	0.010	10.09230	15.00000	Averaged	
9 Endosulfan I	6079113	5589732	0.010	8.05020	15.00000	Averaged	
12 4,4'-DDE	6484523	6538713	0.010	-0.83567	15.00000	Averaged	
13 Dieldrin	6699758	6817790	0.010	-1.76173	15.00000	Averaged	
14 Endrin	5309101	5734140	0.010	-8.00585	15.00000	Averaged	
15 4,4'-DDD	5131299	5363583	0.010	-4.52680	15.00000	Averaged	
16 Endosulfan II	5639514	5656431	0.010	-0.29997	15.00000	Averaged	
18 Endrin aldehyde	4620288	4556352	0.010	1.38380	15.00000	Averaged	
17 4,4'-DDT	4909586	4953112	0.010	-0.88656	15.00000	Averaged	
20 Endosulfan sulfate	4646160	4889992	0.010	-5.24804	15.00000	Averaged	
19 Methoxychlor	2214110	1736994	0.010	21.54891	15.00000	Averaged	<-
21 Endrin ketone	6025427	6093229	0.010	-1.12527	15.00000	Averaged	
$ 22 Decachlorobiphenyl	5324033	4890131	0.010	8.14988	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 4.33691
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

035163

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b036.d
Report Date: 18-Dec-2006 15:06

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b036.d
Lab Smp Id: 1400
Inj Date : 18-DEC-2006 14:02
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 65-45-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 18-Dec-2006 15:06 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 36 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

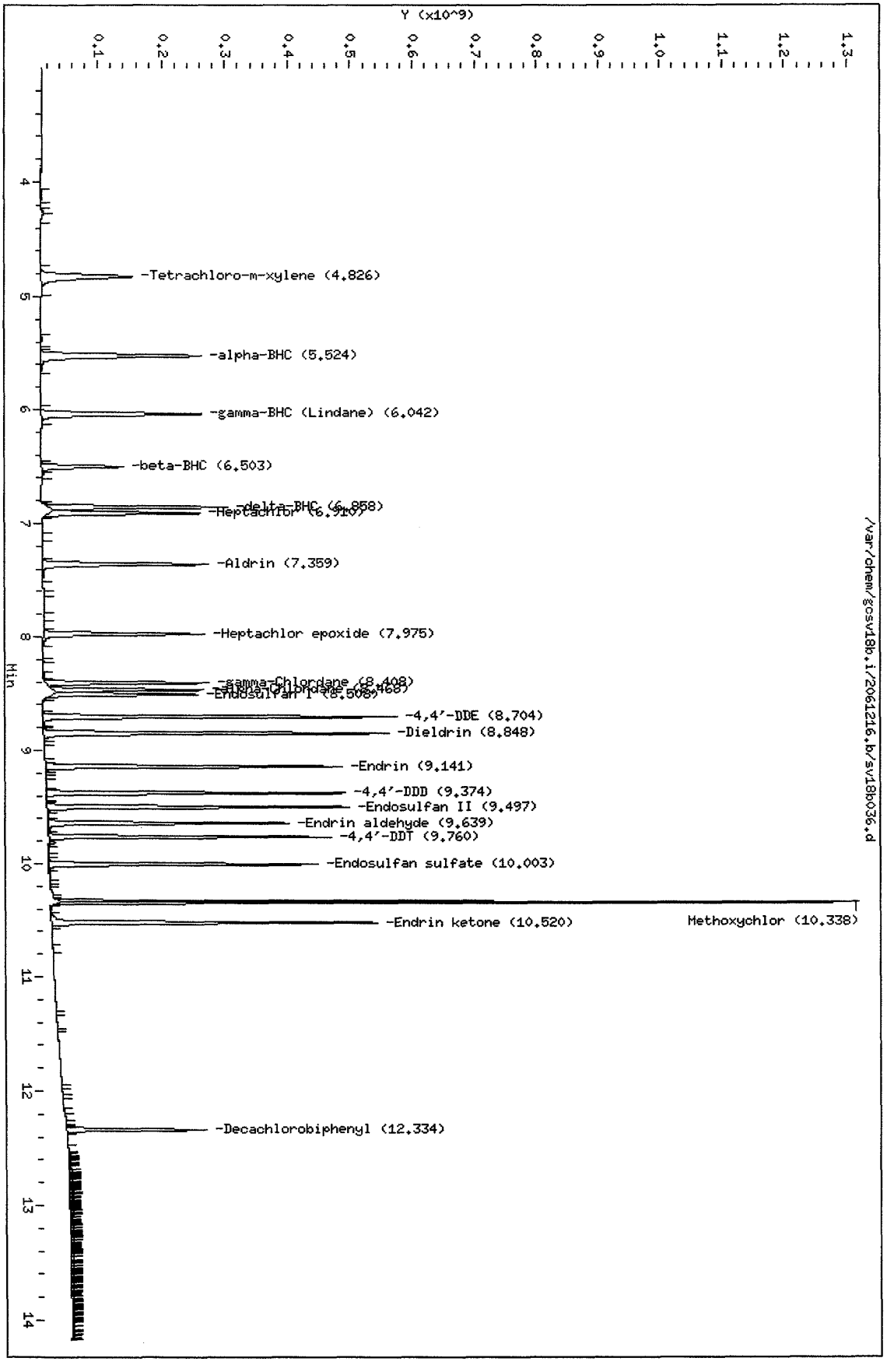
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.826	4.825	0.001	406118968	60.0000	62
2	alpha-BHC	5.524	5.524	0.000	573240257	60.0000	64
3	gamma-BHC (Lindane)	6.042	6.041	0.001	497278760	60.0000	63
6	beta-BHC	6.503	6.501	0.002	216824851	60.0000	60
7	delta-BHC	6.858	6.857	0.001	457867972	60.0000	62
4	Heptachlor	6.910	6.911	-0.001	399545420	60.0000	59
5	Aldrin	7.359	7.360	-0.001	450808441	60.0000	61
8	Heptachlor epoxide	7.975	7.977	-0.002	407320203	60.0000	60
10	gamma-Chlordane	8.408	8.409	-0.001	372096776	60.0000	58
11	alpha-Chlordane	8.468	8.470	-0.002	330734889	60.0000	54
9	Endosulfan I	8.508	8.510	-0.002	335383901	60.0000	55
12	4,4'-DDE	8.704	8.707	-0.003	784645545	120.000	120
13	Dieldrin	8.848	8.849	-0.001	818134750	120.000	120

001076

035164

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b036.d
Report Date: 18-Dec-2006 15:06

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.141	9.141	0.000	688096756	120.000	130
15 4,4'-DDD	9.374	9.376	-0.002	643629910	120.000	130
16 Endosulfan II	9.497	9.498	-0.001	678771702	120.000	120
18 Endrin aldehyde	9.639	9.640	-0.001	546762247	120.000	120
17 4,4'-DDT	9.760	9.761	-0.001	594373428	120.000	120
20 Endosulfan sulfate	10.003	10.004	-0.001	586799028	120.000	130
19 Methoxychlor	10.338	10.339	-0.001	1042196251	600.000	470
21 Endrin ketone	10.520	10.520	0.000	731187488	120.000	120
$ 22 Decachlorobiphenyl	12.334	12.337	-0.003	293407862	60.0000	55



001078

035166

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b048.d
Report Date: 19-Dec-2006 10:29

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b048.d
Lab Smp Id: deg
Inj Date : 19-DEC-2006 09:20
Operator : tls Inst ID: gcsv18b.i
Smp Info : deg*1 65-42-8
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 18-Dec-2006 15:06 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: deg.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
12 4,4'-DDE	8.704	8.707	-0.003	3559627	0.54894	0.0055
15 4,4'-DDD	9.374	9.376	-0.002	13458945	2.62291	0.026
17 4,4'-DDT	9.758	9.761	-0.003	411247064	83.7641	0.84
18 Endrin aldehyde	9.638	9.640	-0.002	3872911	0.83824	0.0084
21 Endrin ketone	10.518	10.521	-0.003	20853448	3.46091	0.035
14 Endrin	9.140	9.141	-0.001	442749392	83.3944	0.83

001079

035167

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:

$$\frac{13458945 + 3559627}{13458945 + 3559627 + 411247064} \times 100 = 4.0\ \%$$

DDT Breakdown Criteria: < 15%

==========

Endrin Breakdown Formula:

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

Endrin Breakdown Calculation:

$$\frac{20853448 + 3872911}{20853448 + 3872911 + 442749392} \times 100 = 5.3\ \%$$

Endrin Breakdown Criteria: < 15%

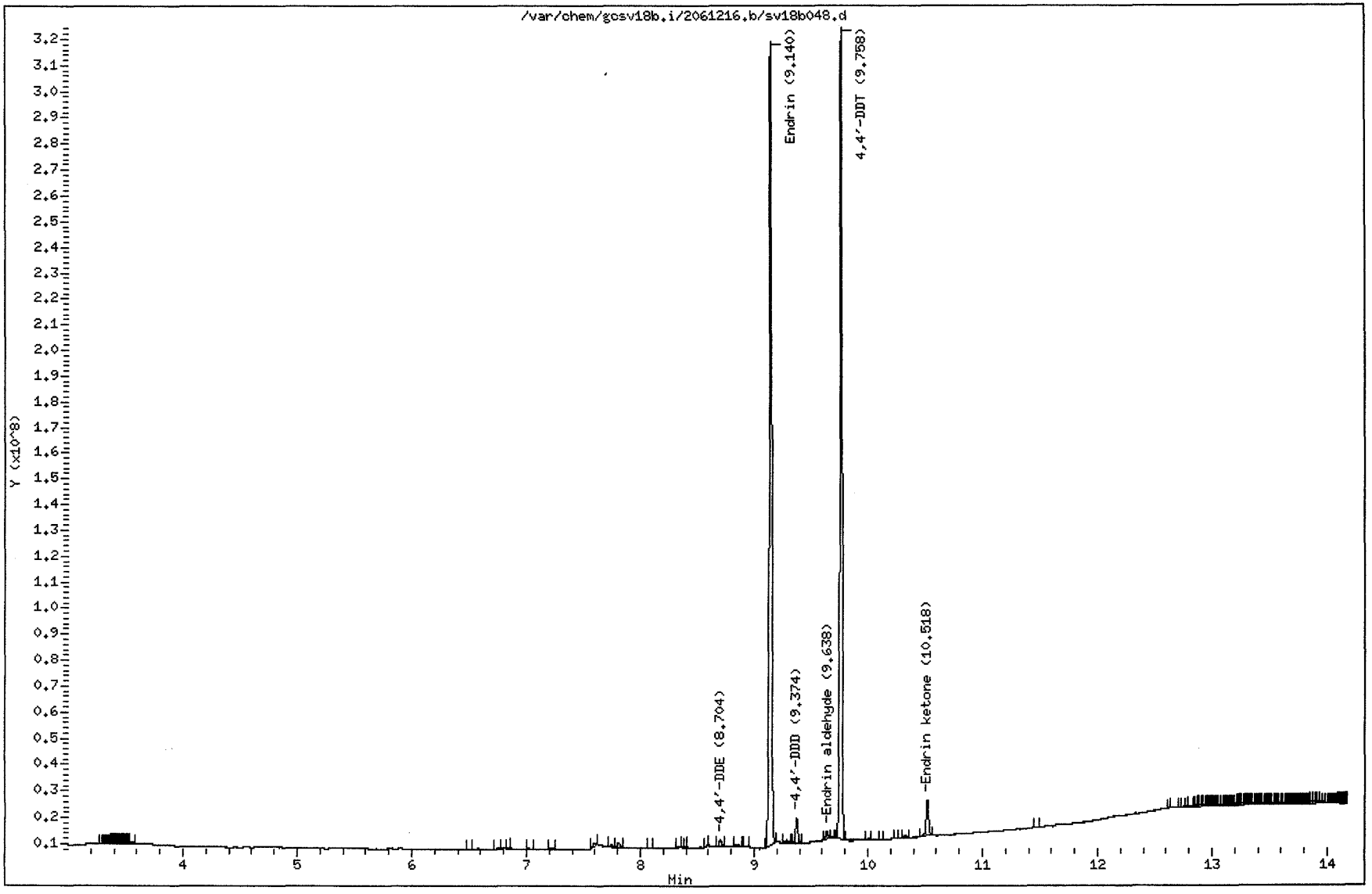
001080

035168

001081

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b048.d
Date : 19-DEC-2006 09:20
Client ID:
Sample Info: deg*1 65-42-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv18b.i
Operator: tls
Column diameter: 0.32



035169

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b049.d
Report Date: 19-Dec-2006 10:30

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 19-DEC-2006 09:38
Lab File ID: sv18b049.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:18 01:33
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2061216.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	6573111	6637650	0.010	-0.98186	15.00000	Averaged
2 alpha-BHC	9016225	9397162	0.010	-4.22501	15.00000	Averaged
3 gamma-BHC (Lindane)	7933498	8257287	0.010	-4.08129	15.00000	Averaged
6 beta-BHC	3606332	3614590	0.010	-0.22899	15.00000	Averaged
7 delta-BHC	7396091	7955716	0.010	-7.56650	15.00000	Averaged
4 Heptachlor	6744080	7019181	0.010	-4.07915	15.00000	Averaged
5 Aldrin	7390565	7579880	0.010	-2.56157	15.00000	Averaged
8 Heptachlor epoxide	6773100	6961073	0.010	-2.77528	15.00000	Averaged
10 gamma-Chlordane	6430056	6421933	0.010	0.12633	15.00000	Averaged
11 alpha-Chlordane	6131008	6142310	0.010	-0.18435	15.00000	Averaged
9 Endosulfan I	6079113	6141903	0.010	-1.03289	15.00000	Averaged
12 4,4'-DDE	6484523	6756100	0.010	-4.18807	15.00000	Averaged
13 Dieldrin	6699758	6998493	0.010	-4.45889	15.00000	Averaged
14 Endrin	5309101	5812156	0.010	-9.47534	15.00000	Averaged
15 4,4'-DDD	5131299	5673124	0.010	-10.55922	15.00000	Averaged
16 Endosulfan II	5639514	5856121	0.010	-3.84087	15.00000	Averaged
18 Endrin aldehyde	4620288	4711861	0.010	-1.98199	15.00000	Averaged
17 4,4'-DDT	4909586	5115631	0.010	-4.19680	15.00000	Averaged
20 Endosulfan sulfate	4646160	5122655	0.010	-10.25568	15.00000	Averaged
19 Methoxychlor	2214110	2573644	0.010	-16.23831	15.00000	Averaged <-
21 Endrin ketone	6025427	6348473	0.010	-5.36139	15.00000	Averaged
$ 22 Decachlorobiphenyl	5324033	5075801	0.010	4.66249	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.68465
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

035170

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b049.d
Report Date: 19-Dec-2006 10:30

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b049.d
Lab Smp Id: 1400
Inj Date : 19-DEC-2006 09:38
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 65-45-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 10:30 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 49 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.825	4.825	0.000	398258974	60.0000	61
2	alpha-BHC	5.523	5.524	-0.001	563829694	60.0000	63
3	gamma-BHC (Lindane)	6.041	6.041	0.000	495437200	60.0000	62
6	beta-BHC	6.502	6.501	0.001	216875398	60.0000	60
7	delta-BHC	6.858	6.857	0.001	477342948	60.0000	65
4	Heptachlor	6.910	6.911	-0.001	421150857	60.0000	62
5	Aldrin	7.359	7.360	-0.001	454792787	60.0000	62
8	Heptachlor epoxide	7.975	7.977	-0.002	417664360	60.0000	62
10	gamma-Chlordane	8.408	8.409	-0.001	385315956	60.0000	60
11	alpha-Chlordane	8.468	8.470	-0.002	368538611	60.0000	60
9	Endosulfan I	8.508	8.510	-0.002	368514183	60.0000	61
12	4,4'-DDE	8.705	8.707	-0.002	810731992	120.000	130
13	Dieldrin	8.848	8.850	-0.002	839819121	120.000	130

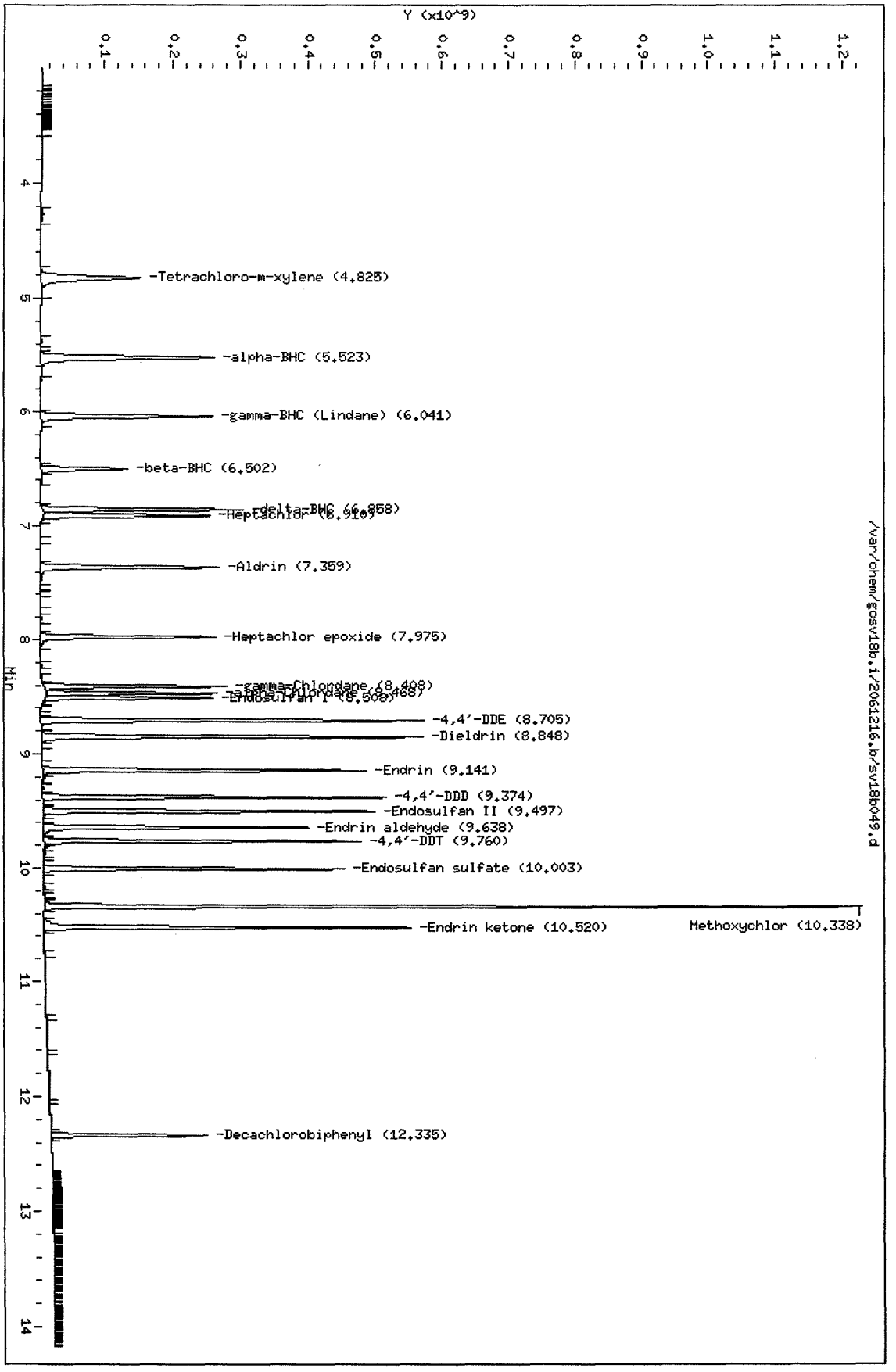
Data File: /var/chem/gcsv18b.i/2061216.b/sv18b049.d
Report Date: 19-Dec-2006 10:30

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14	Endrin	9.141	9.141	0.000	697458780	120.000	130
15	4,4'-DDD	9.374	9.376	-0.002	680774910	120.000	130
16	Endosulfan II	9.497	9.498	-0.001	702734471	120.000	120
18	Endrin aldehyde	9.638	9.640	-0.002	565423345	120.000	120
17	4,4'-DDT	9.760	9.761	-0.001	613875738	120.000	130
20	Endosulfan sulfate	10.003	10.004	-0.001	614718620	120.000	130
19	Methoxychlor	10.338	10.339	-0.001	1544186680	600.000	700 (M2)
21	Endrin ketone	10.520	10.520	0.000	761816796	120.000	130
$ 22	Decachlorobiphenyl	12.335	12.337	-0.002	304548044	60.0000	57

QC Flag Legend

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

035172



001085

035173

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b054.d
Report Date: 19-Dec-2006 12:53

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18b.i Injection Date: 19-DEC-2006 12:43
Lab File ID: sv18b054.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:18 01:33
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18b.i/2061216.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
$ 1 Tetrachloro-m-xylene	6573111	6503040	0.010	1.06602	15.00000	Averaged
2 alpha-BHC	9016225	9193161	0.010	-1.96242	15.00000	Averaged
3 gamma-BHC (Lindane)	7933498	8161082	0.010	-2.86866	15.00000	Averaged
6 beta-BHC	3606332	3705589	0.010	-2.75229	15.00000	Averaged
7 delta-BHC	7396091	7873213	0.010	-6.45101	15.00000	Averaged
4 Heptachlor	6744080	7253581	0.010	-7.55479	15.00000	Averaged
5 Aldrin	7390565	7452553	0.010	-0.83873	15.00000	Averaged
8 Heptachlor epoxide	6773100	6862968	0.010	-1.32684	15.00000	Averaged
10 gamma-Chlordane	6430056	6307798	0.010	1.90135	15.00000	Averaged
11 alpha-Chlordane	6131008	6034904	0.010	1.56750	15.00000	Averaged
9 Endosulfan I	6079113	6079089	0.010	0.00039	15.00000	Averaged
12 4,4'-DDE	6484523	6718776	0.010	-3.61249	15.00000	Averaged
13 Dieldrin	6699758	6939738	0.010	-3.58192	15.00000	Averaged
14 Endrin	5309101	6055013	0.010	-14.04968	15.00000	Averaged
15 4,4'-DDD	5131299	5636371	0.010	-9.84298	15.00000	Averaged
16 Endosulfan II	5639514	5704604	0.010	-1.15418	15.00000	Averaged
18 Endrin aldehyde	4620288	4685091	0.010	-1.40257	15.00000	Averaged
17 4,4'-DDT	4909586	5599274	0.010	-14.04779	15.00000	Averaged
20 Endosulfan sulfate	4646160	5201119	0.010	-11.94447	15.00000	Averaged
19 Methoxychlor	2214110	1912559	0.010	13.61954	15.00000	Averaged
21 Endrin ketone	6025427	6422109	0.010	-6.58346	15.00000	Averaged
$ 22 Decachlorobiphenyl	5324033	5164618	0.010	2.99426	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 5.05106
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001086

035174

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b054.d
Report Date: 19-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv18b.i/2061216.b/sv18b054.d
Lab Smp Id: 1400
Inj Date : 19-DEC-2006 12:43
Operator : tls Inst ID: gcsv18b.i
Smp Info : 1400*1 65-45-4
Misc Info :
Comment :
Method : /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Meth Date : 19-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:33 Cal File: sv18b022.d
Als bottle: 54 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

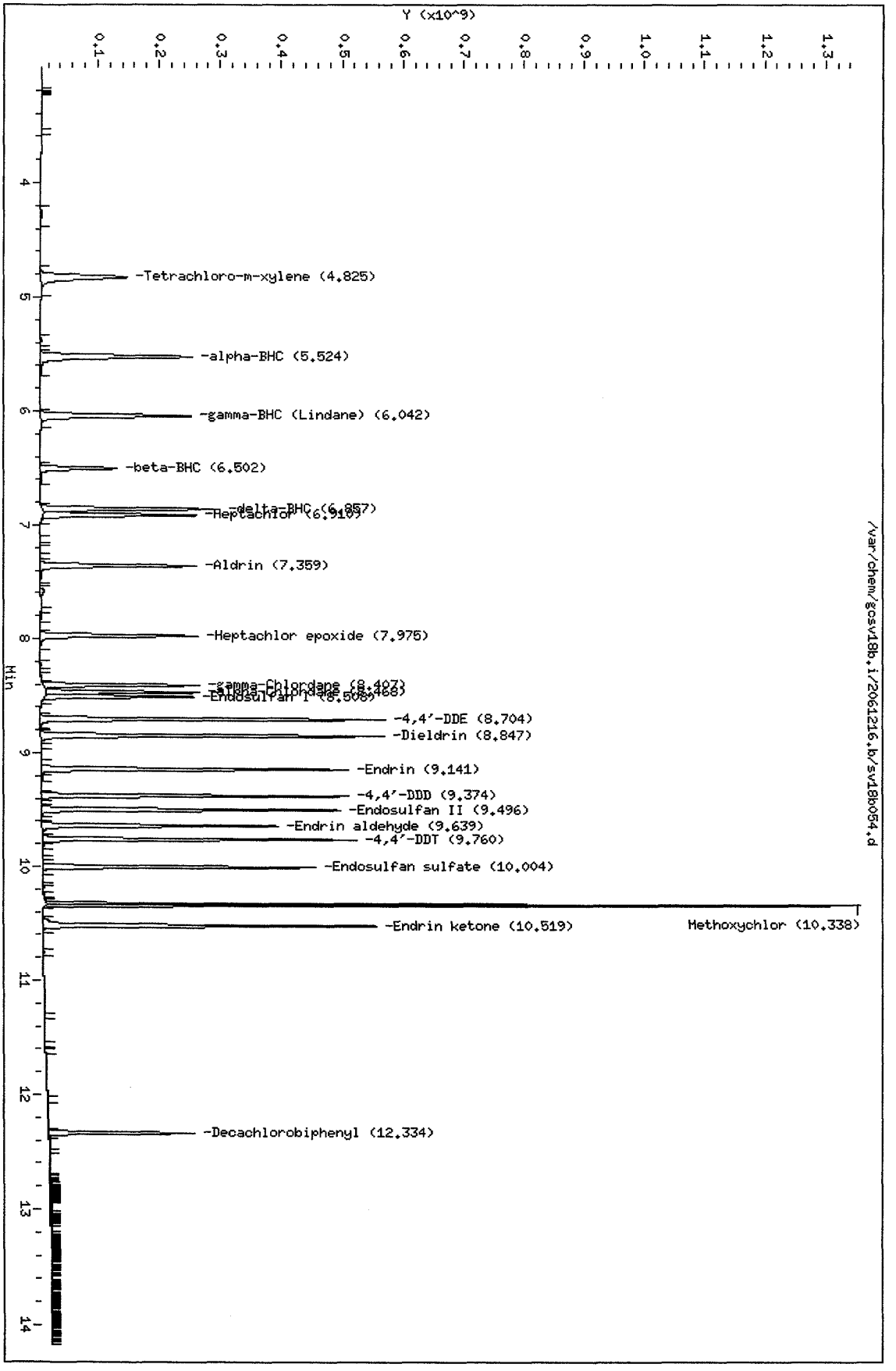
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
$ 1	Tetrachloro-m-xylene	4.825	4.825	0.000	390182396	60.0000	59
2	alpha-BHC	5.524	5.524	0.000	551589670	60.0000	61
3	gamma-BHC (Lindane)	6.042	6.041	0.001	489664944	60.0000	62
6	beta-BHC	6.502	6.501	0.001	222335313	60.0000	62
7	delta-BHC	6.857	6.857	0.000	472392806	60.0000	64
4	Heptachlor	6.910	6.911	-0.001	435214880	60.0000	65
5	Aldrin	7.359	7.360	-0.001	447153156	60.0000	61
8	Heptachlor epoxide	7.975	7.977	-0.002	411778097	60.0000	61
10	gamma-Chlordane	8.407	8.409	-0.002	378467859	60.0000	59
11	alpha-Chlordane	8.468	8.470	-0.002	362094245	60.0000	59
9	Endosulfan I	8.508	8.510	-0.002	364745323	60.0000	60
12	4,4'-DDE	8.704	8.707	-0.003	806253151	120.000	120
13	Dieldrin	8.847	8.849	-0.002	832768540	120.000	120

035175

Data File: /var/chem/gcsv18b.i/2061216.b/sv18b054.d
Report Date: 19-Dec-2006 12:53

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
14 Endrin	9.141	9.141	0.000	726601539	120.000	140
15 4,4'-DDD	9.374	9.375	-0.001	676364566	120.000	130
16 Endosulfan II	9.496	9.497	-0.001	684552456	120.000	120
18 Endrin aldehyde	9.639	9.640	-0.001	562210871	120.000	120
17 4,4'-DDT	9.760	9.761	-0.001	671912844	120.000	140
20 Endosulfan sulfate	10.004	10.004	0.000	624134284	120.000	130
19 Methoxychlor	10.338	10.339	-0.001	1147535225	600.000	520
21 Endrin ketone	10.519	10.520	-0.001	770653023	120.000	130
$ 22 Decachlorobiphenyl	12.334	12.337	-0.003	309877084	60.0000	58

035176



001089

035177

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB436885

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 436885

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1238

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.00100	U	0.000380	0.00100
319-85-7	beta-BHC	0.00200	U	0.000410	0.00200
319-86-8	delta-BHC	0.00100	U	0.000370	0.00100
1024-57-3	Heptachlor epoxide	0.00100	U	0.000415	0.00100
959-98-8	Endosulfan I	0.00100	U	0.000230	0.00100
72-55-9	4,4'-DDE	0.00200	U	0.000390	0.00200
33213-65-9	Endosulfan II	0.00200	U	0.000250	0.00200
72-54-8	4,4'-DDD	0.00200	U	0.000290	0.00200
1031-07-8	Endosulfan sulfate	0.00200	U	0.000360	0.00200
72-43-5	Methoxychlor	0.010	U	0.000500	0.010
53494-70-5	Endrin ketone	0.00200	U	0.000320	0.00200
7421-93-4	Endrin aldehyde	0.00200	U	0.000375	0.00200
5103-71-9	alpha-Chlordane	0.00100	U	0.000315	0.00100
5103-74-2	gamma-Chlordane	0.00100	U	0.000355	0.00100
8001-35-2	Toxaphene	0.100	U	0.00469	0.100
58-89-9	gamma-BHC (Lindane)	0.00100	U	0.000290	0.00100
76-44-8	Heptachlor	0.00100	U	0.000300	0.00100
309-00-2	Aldrin	0.00100	U	0.000300	0.00100
60-57-1	Dieldrin	0.00200	U	0.000300	0.00200
72-20-8	Endrin	0.00200	U	0.000365	0.00200
50-29-3	4,4'-DDT	0.00200	U	0.000440	0.00200

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a004.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a004.d
Lab Smp Id: 436882
Inj Date : 16-DEC-2006 12:38
Operator : tls Inst ID: gcsv18a.i
Smp Info : 436882*1 mb s
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.127	4.116	0.011	627503967	116.883	19(A)
$ 22 Decachlorobiphenyl	12.080	12.078	0.002	488696421	120.225	20

QC Flag Legend

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

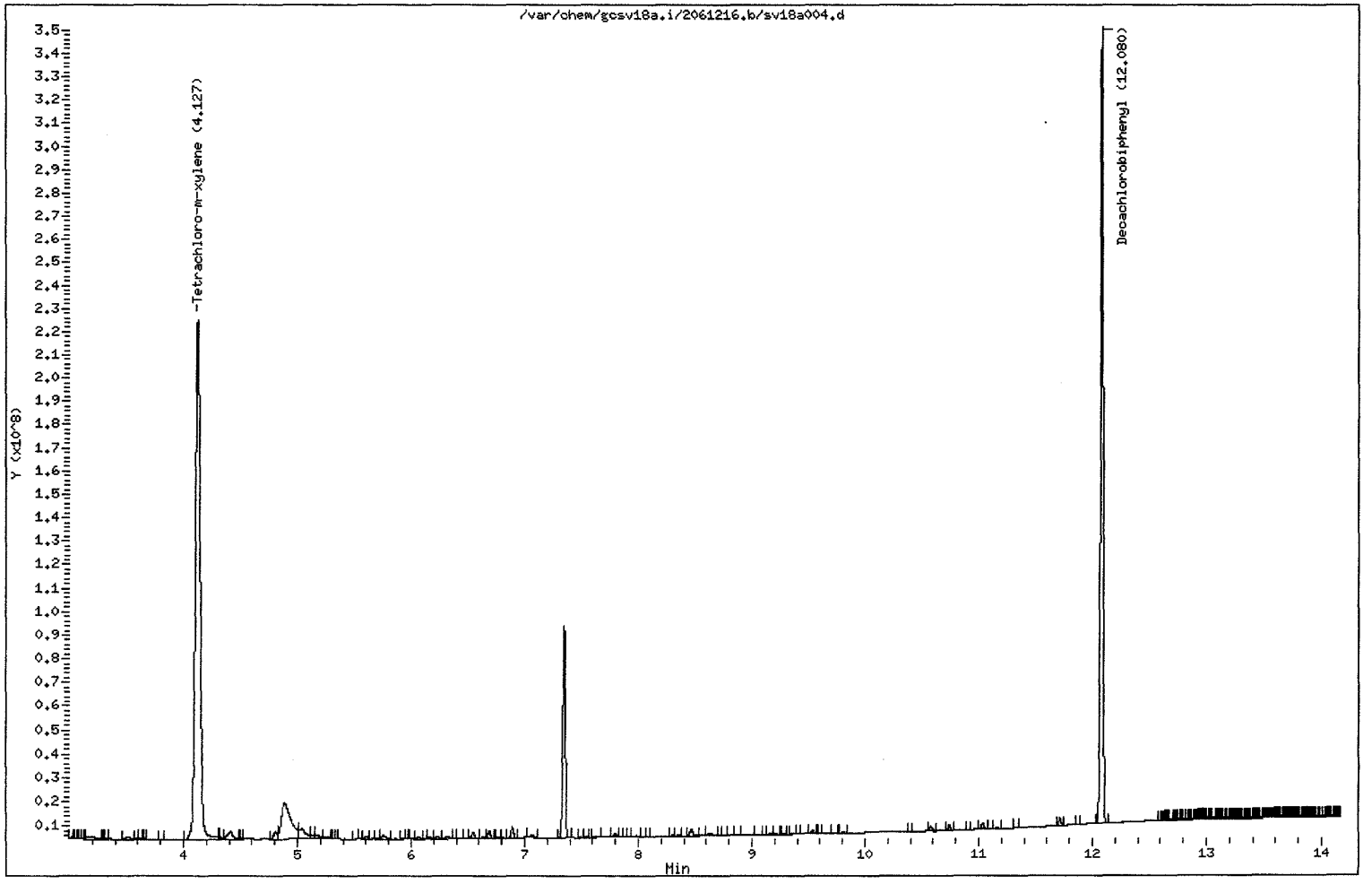
001091

035179

001092

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a004.d
Date : 16-DEC-2006 12:38
Client ID:
Sample Info: 436882*1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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



035180

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB444609

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 444609

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/07 | Time: 1431

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.00100	U	0.000380	0.00100
319-85-7	beta-BHC	0.00200	U	0.000410	0.00200
319-86-8	delta-BHC	0.00100	U	0.000370	0.00100
1024-57-3	Heptachlor epoxide	0.00100	U	0.000415	0.00100
959-98-8	Endosulfan I	0.00100	U	0.000230	0.00100
72-55-9	4,4'-DDE	0.00200	U	0.000390	0.00200
33213-65-9	Endosulfan II	0.00200	U	0.000250	0.00200
72-54-8	4,4'-DDD	0.00200	U	0.000290	0.00200
1031-07-8	Endosulfan sulfate	0.00200	U	0.000360	0.00200
72-43-5	Methoxychlor	0.010	U	0.000500	0.010
53494-70-5	Endrin ketone	0.00200	U	0.000320	0.00200
7421-93-4	Endrin aldehyde	0.00200	U	0.000375	0.00200
5103-71-9	alpha-Chlordane	0.00100	U	0.000315	0.00100
5103-74-2	gamma-Chlordane	0.00100	U	0.000355	0.00100
8001-35-2	Toxaphene	0.100	U	0.00469	0.100
58-89-9	gamma-BHC (Lindane)	0.00100	U	0.000290	0.00100
76-44-8	Heptachlor	0.00100	U	0.000300	0.00100
309-00-2	Aldrin	0.00100	U	0.000300	0.00100
60-57-1	Dieldrin	0.00200	U	0.000300	0.00200
72-20-8	Endrin	0.00200	U	0.000365	0.00200
50-29-3	4,4'-DDT	0.00200	U	0.000440	0.00200

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a004.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a004.d
Lab Smp Id: 444612
Inj Date : 04-JAN-2007 14:31
Operator : tls Inst ID: gcsv17a.i
Smp Info : 444612*1 mb s
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 4 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	4.907	4.903	0.004	401208285	82.0905	14
$ 22 Decachlorobiphenyl	12.813	12.824	-0.011	331137418	91.2658	15

001094

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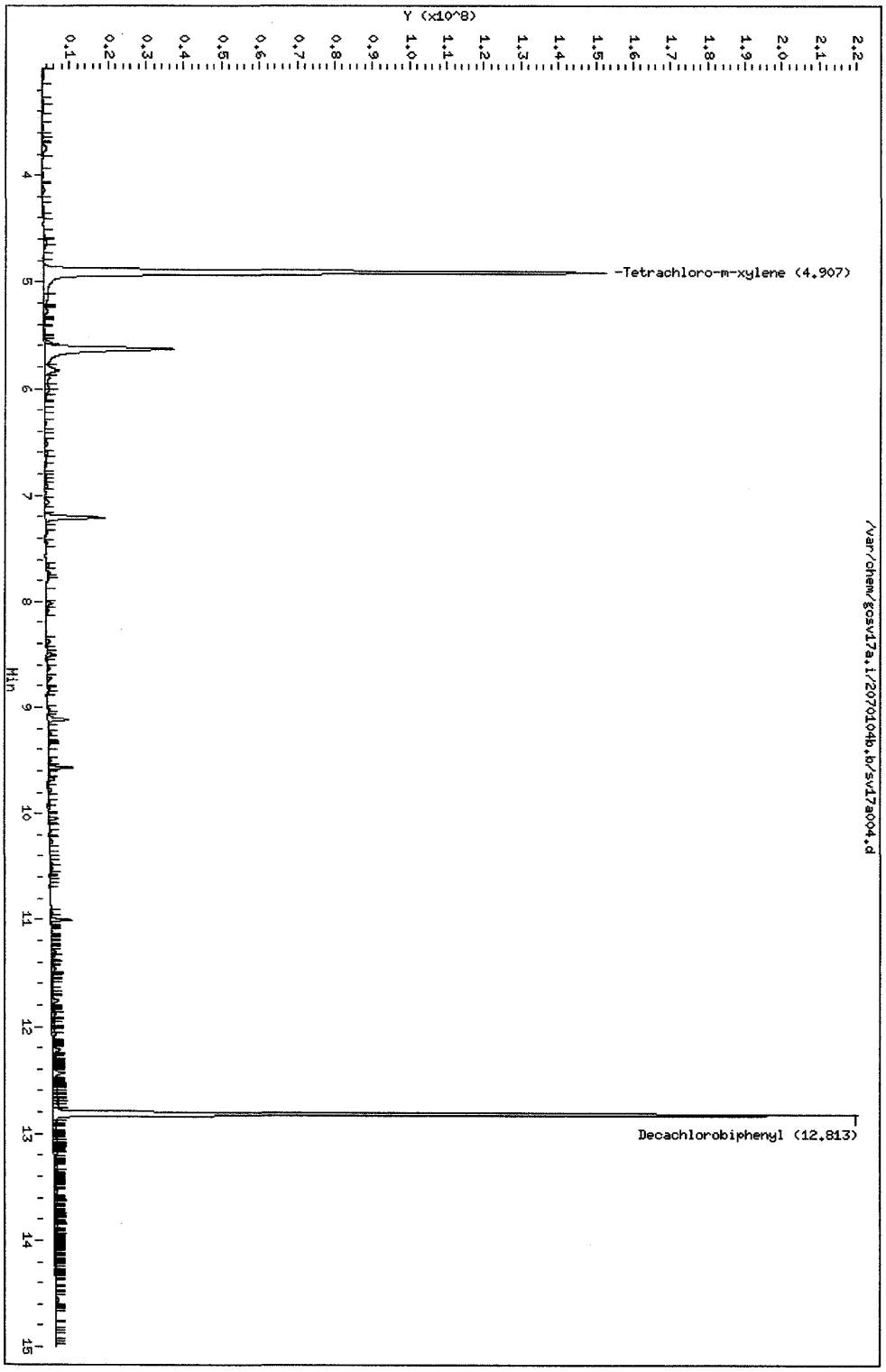
Data File: /var/chem/gcsv17a.i/20701104b.b/sv17a004.d
Date : 04-JAN-2007 14:31
Client ID:
Sample Info: 444612x1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
-Tetrachloro-m-xylene (4.907)
Decachlorobiphenyl (12.813)
/var/chem/gcsv17a.i/20701104b.b/sv17a004.d
Min

035183

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS444610

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 444610

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/07 | Time: 1452

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a005

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.013		0.000380	0.00100
319-85-7	beta-BHC	0.013		0.000410	0.00200
319-86-8	delta-BHC	0.014		0.000370	0.00100
1024-57-3	Heptachlor epoxide	0.014		0.000415	0.00100
959-98-8	Endosulfan I	0.00504		0.000230	0.00100
72-55-9	4,4'-DDE	0.014		0.000390	0.00200
33213-65-9	Endosulfan II	0.00697		0.000250	0.00200
72-54-8	4,4'-DDD	0.014		0.000290	0.00200
1031-07-8	Endosulfan sulfate	0.015		0.000360	0.00200
72-43-5	Methoxychlor	0.013		0.000500	0.010
53494-70-5	Endrin ketone	0.014		0.000320	0.00200
7421-93-4	Endrin aldehyde	0.00995		0.000375	0.00200
5103-71-9	alpha-Chlordane	0.014		0.000315	0.00100
5103-74-2	gamma-Chlordane	0.014		0.000355	0.00100
58-89-9	gamma-BHC (Lindane)	0.014		0.000290	0.00100
76-44-8	Heptachlor	0.014		0.000300	0.00100
309-00-2	Aldrin	0.013		0.000300	0.00100
60-57-1	Dieldrin	0.014		0.000300	0.00200
72-20-8	Endrin	0.015		0.000365	0.00200
50-29-3	4,4'-DDT	0.014		0.000440	0.00200

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a005.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a005.d
Lab Smp Id: 444610
Inj Date : 04-JAN-2007 14:52
Operator : tls Inst ID: gcsv17a.i
Smp Info : 444610*1
Misc Info : GCSV~10830~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:21 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 5 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(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	30.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
$ 1	Tetrachloro-m-xylene	4.899	4.903	-0.004	387702360	79.3271	13
2	alpha-BHC	6.019	6.023	-0.004	523215004	79.6413	13
3	gamma-BHC (Lindane)	6.605	6.609	-0.004	457723499	82.2938	14
4	Heptachlor	7.181	7.197	-0.016	396132896	83.7698	14
5	Aldrin	7.651	7.655	-0.004	421603655	76.5552	13
6	beta-BHC	6.714	6.717	-0.003	201751215	78.1589	13
7	delta-BHC	7.229	7.230	-0.001	434973102	83.0894	14
8	Heptachlor epoxide	8.377	8.380	-0.003	387590695	81.8108	14
9	Endosulfan I	8.859	8.862	-0.003	134160303	30.2186	5.0
10	gamma-Chlordane	8.630	8.634	-0.004	396581217	81.2960	14
11	alpha-Chlordane	8.827	8.827	0.000	376946499	84.4195	14
12	4,4'-DDE	9.085	9.100	-0.015	399267927	81.8450	14
13	Dieldrin	9.243	9.246	-0.003	407274176	81.9423	14

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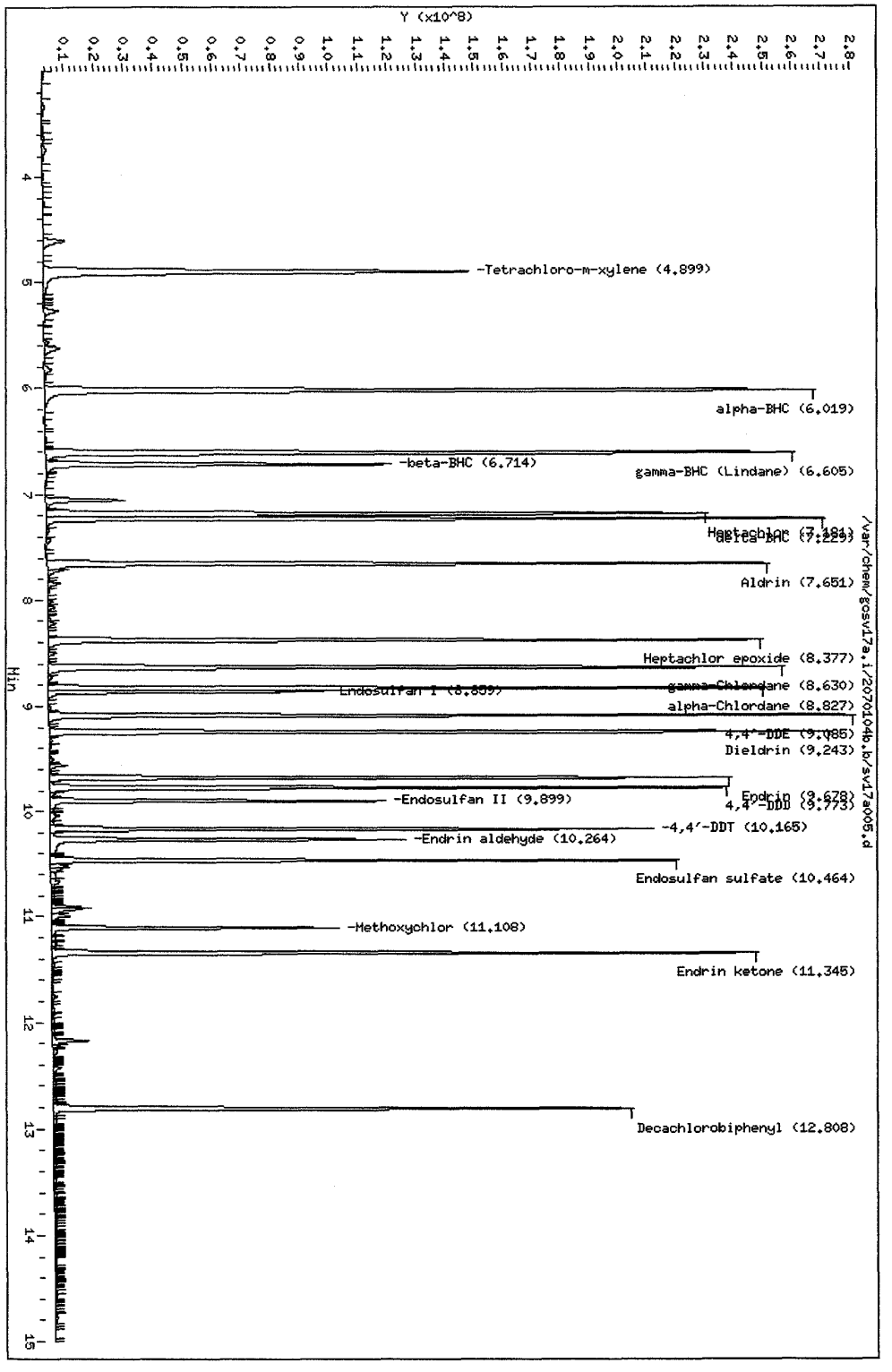
Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a005.d
Report Date: 08-Jan-2007 10:21

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
14 Endrin	9.678	9.691	-0.013	343851763	89.0261	15
15 4,4'-DDD	9.773	9.788	-0.015	323512149	82.4407	14
16 Endosulfan II	9.899	9.903	-0.004	170961189	41.8447	7.0
17 4,4'-DDT	10.165	10.168	-0.003	282317563	83.3311	14
18 Endrin aldehyde	10.264	10.281	-0.017	193192610	59.7177	10
19 Methoxychlor	11.108	11.113	-0.005	136604680	78.3836	13
20 Endosulfan sulfate	10.464	10.479	-0.015	307290757	90.9870	15
21 Endrin ketone	11.345	11.360	-0.015	352386122	85.9457	14
$ 22 Decachlorobiphenyl	12.808	12.824	-0.016	301986860	83.2316	14

035186



001099

035187

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD444611

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 444611

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/07 | Time: 1513

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

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

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

Prep Batch: 340219 | Analytical Batch: 340229 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a006

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.013		0.000380	0.00100
319-85-7	beta-BHC	0.013		0.000410	0.00200
319-86-8	delta-BHC	0.014		0.000370	0.00100
1024-57-3	Heptachlor epoxide	0.014		0.000415	0.00100
959-98-8	Endosulfan I	0.00497		0.000230	0.00100
72-55-9	4,4'-DDE	0.014		0.000390	0.00200
33213-65-9	Endosulfan II	0.00699		0.000250	0.00200
72-54-8	4,4'-DDD	0.014		0.000290	0.00200
1031-07-8	Endosulfan sulfate	0.015		0.000360	0.00200
72-43-5	Methoxychlor	0.013		0.000500	0.010
53494-70-5	Endrin ketone	0.015		0.000320	0.00200
7421-93-4	Endrin aldehyde	0.00965		0.000375	0.00200
5103-71-9	alpha-Chlordane	0.014		0.000315	0.00100
5103-74-2	gamma-Chlordane	0.014		0.000355	0.00100
58-89-9	gamma-BHC (Lindane)	0.013		0.000290	0.00100
76-44-8	Heptachlor	0.013		0.000300	0.00100
309-00-2	Aldrin	0.013		0.000300	0.00100
60-57-1	Dieldrin	0.014		0.000300	0.00200
72-20-8	Endrin	0.015		0.000365	0.00200
50-29-3	4,4'-DDT	0.014		0.000440	0.00200

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a006.d
Report Date: 08-Jan-2007 10:21

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a006.d
Lab Smp Id: 444611
Inj Date : 04-JAN-2007 15:13
Operator : tls Inst ID: gcsv17a.i
Smp Info : 444611*1
Misc Info : GCSV~10830~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:21 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 6 QC Sample: LCSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

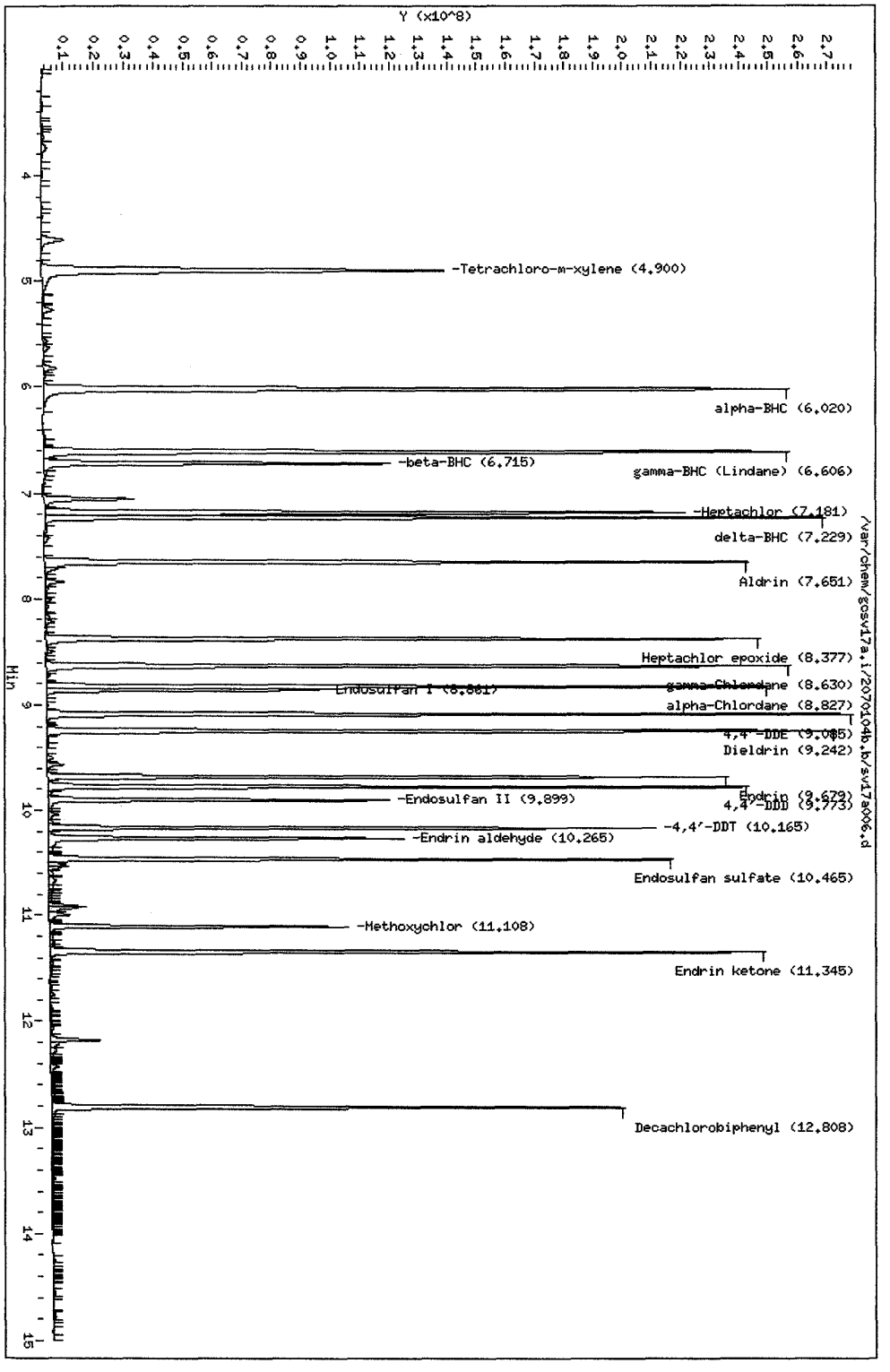
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.900	4.903	-0.003	359187753	73.4928	12
2	alpha-BHC	6.020	6.023	-0.003	503021028	76.5675	13
3	gamma-BHC (Lindane)	6.606	6.609	-0.003	445987791	80.1838	13
4	Heptachlor	7.181	7.197	-0.016	380679788	80.5019	13
5	Aldrin	7.651	7.655	-0.004	414966106	75.3500	13
6	beta-BHC	6.715	6.717	-0.002	202622212	78.4964	13
7	delta-BHC	7.229	7.230	-0.001	428659706	81.8834	14
8	Heptachlor epoxide	8.377	8.380	-0.003	385271379	81.3212	14
9	Endosulfan I	8.861	8.862	-0.001	132370532	29.8154	5.0
10	gamma-Chlordane	8.630	8.634	-0.004	394788983	80.9286	13
11	alpha-Chlordane	8.827	8.827	0.000	376301665	84.2751	14
12	4,4'-DDE	9.085	9.100	-0.015	399097812	81.8101	14

035189

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a006.d
Report Date: 08-Jan-2007 10:21

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
13 Dieldrin	9.242	9.246	-0.004	405751014	81.6359	14
14 Endrin	9.679	9.691	-0.012	340534871	88.1673	15
15 4,4'-DDD	9.773	9.788	-0.015	328477110	83.7059	14
16 Endosulfan II	9.899	9.903	-0.004	171444781	41.9631	7.0
17 4,4'-DDT	10.165	10.168	-0.003	278426721	82.1827	14
18 Endrin aldehyde	10.265	10.281	-0.016	187233578	57.8757	9.6
19 Methoxychlor	11.108	11.113	-0.005	137510916	78.9036	13
20 Endosulfan sulfate	10.465	10.479	-0.014	308353677	91.3017	15
21 Endrin ketone	11.345	11.360	-0.015	356088615	86.8487	14
$ 22 Decachlorobiphenyl	12.808	12.824	-0.016	296374973	81.6848	14

035190



Data File: /var/chem/gcsv17a.i/20701104b.b/sv17a006.d
Date : 04-JAN-2007 15:13
Client ID:
Sample Info: 44461mx1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS436886

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 436886

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/18/06 | Time: 0951

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a027

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
319-84-6	alpha-BHC	0.018	E	0.000380	0.00100
319-85-7	beta-BHC	0.018	E	0.000410	0.00200
319-86-8	delta-BHC	0.019	E	0.000370	0.00100
1024-57-3	Heptachlor epoxide	0.018	E	0.000415	0.00100
959-98-8	Endosulfan I	0.013		0.000230	0.00100
72-55-9	4,4'-DDE	0.019		0.000390	0.00200
33213-65-9	Endosulfan II	0.017		0.000250	0.00200
72-54-8	4,4'-DDD	0.020		0.000290	0.00200
1031-07-8	Endosulfan sulfate	0.021		0.000360	0.00200
72-43-5	Methoxychlor	0.020		0.000500	0.010
53494-70-5	Endrin ketone	0.021		0.000320	0.00200
7421-93-4	Endrin aldehyde	0.017		0.000375	0.00200
5103-71-9	alpha-Chlordane	0.020	E	0.000315	0.00100
5103-74-2	gamma-Chlordane	0.018	E	0.000355	0.00100
58-89-9	gamma-BHC (Lindane)	0.018	E	0.000290	0.00100
76-44-8	Heptachlor	0.018	E	0.000300	0.00100
309-00-2	Aldrin	0.018	E	0.000300	0.00100
60-57-1	Dieldrin	0.019		0.000300	0.00200
72-20-8	Endrin	0.019		0.000365	0.00200
50-29-3	4,4'-DDT	0.020		0.000440	0.00200

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a027.d
Report Date: 20-Dec-2006 13:40

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a027.d
Lab Smp Id: 436886
Inj Date : 18-DEC-2006 09:51
Operator : tls Inst ID: gcsv18a.i
Smp Info : 436886*1 lcs
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 27 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 8081.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	30.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.113	4.116	-0.003	565592257	105.351	18(A)
2	alpha-BHC	5.253	5.257	-0.004	789007924	107.821	18(A)
3	gamma-BHC (Lindane)	5.847	5.852	-0.005	692537090	109.204	18(A)
6	beta-BHC	5.961	5.966	-0.005	315583574	105.997	18(A)
4	Heptachlor	6.423	6.429	-0.006	596077301	106.846	18(A)
7	delta-BHC	6.476	6.481	-0.005	682259477	116.337	19(A)
5	Aldrin	6.893	6.899	-0.006	627110179	108.734	18(A)
8	Heptachlor epoxide	7.626	7.634	-0.008	560006633	107.616	18(A)
10	gamma-Chlordane	7.882	7.889	-0.007	568227436	108.351	18(A)
11	alpha-Chlordane	8.081	8.088	-0.007	553017974	116.758	19(A)
9	Endosulfan I	8.110	8.117	-0.007	373921453	79.0336	13
12	4,4'-DDE	8.351	8.358	-0.007	570330616	112.762	19

001105

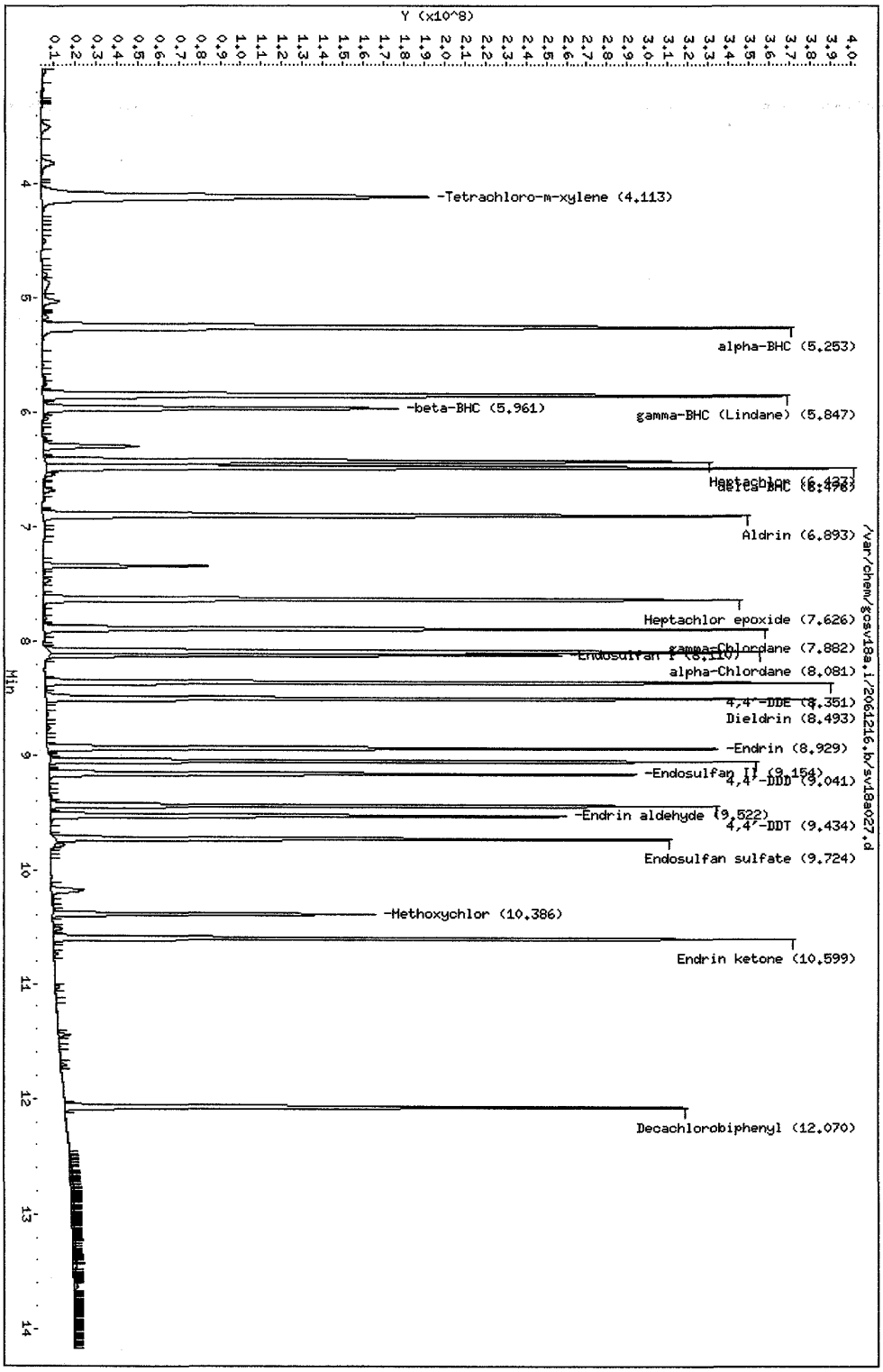
035193

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a027.d
Report Date: 20-Dec-2006 13:40

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
	13 Dieldrin	8.493	8.500	-0.007	585915764	112.000	19
	14 Endrin	8.929	8.937	-0.008	492044724	114.192	19
	15 4,4'-DDD	9.041	9.048	-0.007	485651889	120.780	20
	16 Endosulfan II	9.154	9.162	-0.008	433776859	98.9632	16
	17 4,4'-DDT	9.434	9.441	-0.007	463683323	118.043	20
	18 Endrin aldehyde	9.522	9.530	-0.008	368865351	104.660	17
	20 Endosulfan sulfate	9.724	9.732	-0.008	439867546	123.550	21
	19 Methoxychlor	10.386	10.396	-0.010	214400263	118.162	20
	21 Endrin ketone	10.599	10.607	-0.008	530489495	125.389	21
$	22 Decachlorobiphenyl	12.070	12.078	-0.008	436894278	107.481	18

QC Flag Legend

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



Data File: /var/chem/gcsv18a.i/20061216.b/sv18a027.d
Date : 18-DEC-2006 09:51
Client ID:
Sample Info: 436886x1 ics
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001107

035195

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED1-001 (0-0.5) MS

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072804

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1115

% Moisture: 45.5 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1508

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a012

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.036		0.000531	0.00366
72-55-9	4,4'-DDE	0.027		0.000714	0.00366
50-29-3	4,4'-DDT	0.00518		0.000805	0.00366
309-00-2	Aldrin	0.024		0.000549	0.00183
60-57-1	Dieldrin	0.026		0.000549	0.00366
959-98-8	Endosulfan I	0.020		0.000421	0.00183
33213-65-9	Endosulfan II	0.031		0.000457	0.00366
1031-07-8	Endosulfan sulfate	0.026		0.000659	0.00366
72-20-8	Endrin	0.023		0.000668	0.00366
7421-93-4	Endrin aldehyde	0.026		0.000686	0.00366
53494-70-5	Endrin ketone	0.017		0.000586	0.00366
76-44-8	Heptachlor	0.013		0.000549	0.00183
1024-57-3	Heptachlor epoxide	0.026		0.000759	0.00183
72-43-5	Methoxychlor	0.00841	J	0.000915	0.018
8001-35-2	Toxaphene	0.183	U	0.00857	0.183
319-84-6	alpha-BHC	0.022		0.000695	0.00183
5103-71-9	alpha-Chlordane	0.027		0.000576	0.00183
319-85-7	beta-BHC	0.017		0.000750	0.00366
319-86-8	delta-BHC	0.024		0.000677	0.00183
58-89-9	gamma-BHC (Lindane)	0.017		0.000531	0.00183
5103-74-2	gamma-Chlordane	0.026		0.000650	0.00183

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a012.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a012.d
Lab Smp Id: 20612072804
Inj Date : 16-DEC-2006 15:08
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072804*1 ms
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 12 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.112	4.117	-0.005	421230763	78.4609	13
2	alpha-BHC	5.253	5.258	-0.005	525150658	71.7641	12
3	gamma-BHC (Lindane)	5.847	5.853	-0.006	355399258	56.0416	9.3
6	beta-BHC	5.961	5.967	-0.006	167265593	56.1805	9.3
4	Heptachlor	6.424	6.430	-0.006	246227109	44.1357	7.3
7	delta-BHC	6.477	6.482	-0.005	467521520	79.7204	13
5	Aldrin	6.894	6.900	-0.006	447365917	77.5680	13
8	Heptachlor epoxide	7.627	7.635	-0.008	436604810	83.9020	14
10	gamma-Chlordane	7.884	7.890	-0.006	453280552	86.4326	14
11	alpha-Chlordane	8.082	8.089	-0.007	414384541	87.4887	15
9	Endosulfan I	8.111	8.119	-0.008	304584836	64.3783	11
12	4,4'-DDE	8.352	8.359	-0.007	449137240	88.8008	15

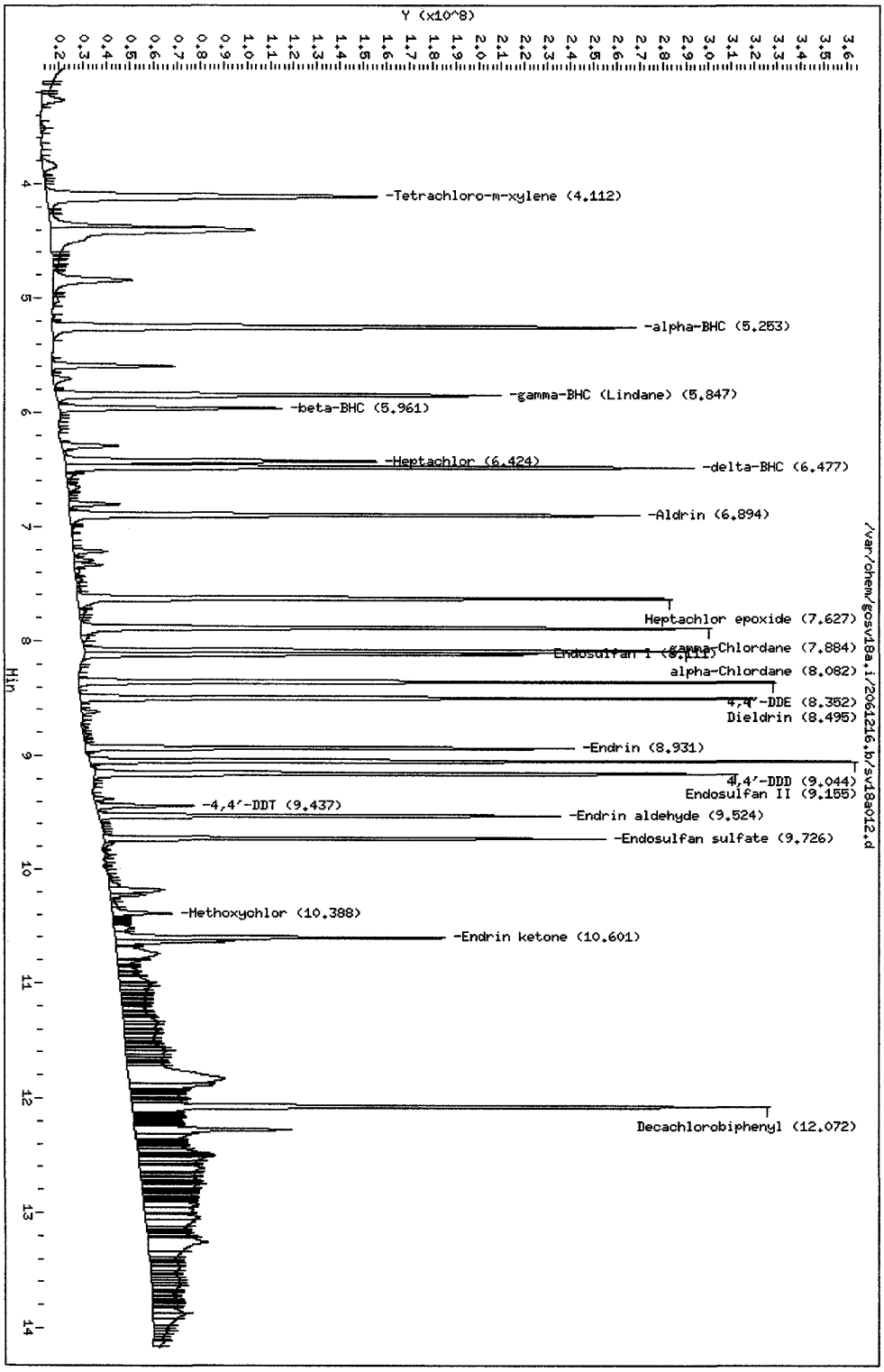
Data File: /var/chem/gcsv18a.i/2061216.b/sv18a012.d
Report Date: 19-Dec-2006 15:03

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
	13 Dieldrin	8.495	8.502	-0.007	453770285	86.7398	14
	14 Endrin	8.931	8.938	-0.007	319472559	74.1418	12(M2)
	15 4,4'-DDD	9.044	9.050	-0.006	468573315	116.532	19
	16 Endosulfan II	9.155	9.163	-0.008	444068113	101.311	17
	17 4,4'-DDT	9.437	9.442	-0.005	66683079	16.9760	2.8
	18 Endrin aldehyde	9.524	9.531	-0.007	294837506	83.6558	14
	20 Endosulfan sulfate	9.726	9.733	-0.007	308553246	86.6663	14
	19 Methoxychlor	10.388	10.397	-0.009	50078554	27.5997	4.6
	21 Endrin ketone	10.601	10.609	-0.008	229437085	54.2309	9.0
$	22 Decachlorobiphenyl	12.072	12.079	-0.007	469383861	115.474	19

QC Flag Legend

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

035198


Data File: /var/chem/gcsv18a.i/20061216.b/sv18a012.d
Date : 16-DEC-2006 15:08
Client ID:
Sample Info: 20612072804#1 ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
-Tetrachloro-m-xylene (4.112)
-alpha-BHC (5.253)
-gamma-BHC (Lindane) (5.847)
-beta-BHC (5.961)
-Heptachlor (6.424)
-delta-BHC (6.477)
-Aldrin (6.894)
Heptachlor epoxide (7.627)
Endosulfan I (8.111)
gamma-Chlordane (7.884)
alpha-Chlordane (8.082)
4,4'-DDE (8.352)
Dieldrin (8.495)
-Endrin (8.931)
4,4'-DDD (9.044)
Endosulfan II (9.155)
-4,4'-DDT (9.437)
-Endrin aldehyde (9.524)
-Endosulfan sulfate (9.726)
-Methoxychlor (10.388)
-Endrin ketone (10.601)
Decachlorobiphenyl (12.072)
/var/chem/gcsv18a.i/20061216.b/sv18a012.d

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED1-001 (0-0.5) MSD

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072805

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1115

% Moisture: 45.5 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1526

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

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

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

Prep Batch: 338462 | Analytical Batch: 339131 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a013

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
72-54-8	4,4'-DDD	0.055		0.000531	0.00366
72-55-9	4,4'-DDE	0.041		0.000714	0.00366
50-29-3	4,4'-DDT	0.00575		0.000805	0.00366
309-00-2	Aldrin	0.037	E	0.000549	0.00183
60-57-1	Dieldrin	0.040		0.000549	0.00366
959-98-8	Endosulfan I	0.029		0.000421	0.00183
33213-65-9	Endosulfan II	0.045		0.000457	0.00366
1031-07-8	Endosulfan sulfate	0.039		0.000659	0.00366
72-20-8	Endrin	0.035		0.000668	0.00366
7421-93-4	Endrin aldehyde	0.037		0.000686	0.00366
53494-70-5	Endrin ketone	0.022		0.000586	0.00366
76-44-8	Heptachlor	0.024		0.000549	0.00183
1024-57-3	Heptachlor epoxide	0.039	E	0.000759	0.00183
72-43-5	Methoxychlor	0.00710	J	0.000915	0.018
8001-35-2	Toxaphene	0.183	U	0.00857	0.183
319-84-6	alpha-BHC	0.037	E	0.000695	0.00183
5103-71-9	alpha-Chlordane	0.041	E	0.000576	0.00183
319-85-7	beta-BHC	0.031	E	0.000750	0.00366
319-86-8	delta-BHC	0.039	E	0.000677	0.00183
58-89-9	gamma-BHC (Lindane)	0.031	E	0.000531	0.00183
5103-74-2	gamma-Chlordane	0.039	E	0.000650	0.00183

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a013.d
Report Date: 19-Dec-2006 15:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a013.d
Lab Smp Id: 20612072805
Inj Date : 16-DEC-2006 15:26
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072805*1ms
Misc Info : GCSV~10747~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 13 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pest.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.107	4.117	-0.010	626005766	116.604	19(A)
2	alpha-BHC	5.250	5.258	-0.008	874821789	119.548	20(A)
3	gamma-BHC (Lindane)	5.845	5.853	-0.008	647418488	102.089	17(A)
6	beta-BHC	5.959	5.967	-0.008	302304024	101.537	17(A)
4	Heptachlor	6.422	6.430	-0.008	447002231	80.1242	13
7	delta-BHC	6.475	6.482	-0.007	755516489	128.828	21(A)
5	Aldrin	6.892	6.900	-0.008	689533784	119.557	20(A)
8	Heptachlor epoxide	7.627	7.635	-0.008	660416704	126.912	21(A)
10	gamma-Chlordane	7.882	7.890	-0.008	675909580	128.884	21(A)
11	alpha-Chlordane	8.081	8.089	-0.008	635541672	134.181	22(A)
9	Endosulfan I	8.110	8.119	-0.009	450882755	95.3005	16
12	4,4'-DDE	8.351	8.359	-0.008	678701763	134.189	22

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a013.d
Report Date: 19-Dec-2006 15:03

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
13 Dieldrin	8.494	8.502	-0.008	692283401	132.332	22
14 Endrin	8.930	8.938	-0.008	498438552	115.675	19
15 4,4'-DDD	9.042	9.050	-0.008	723684662	179.977	30
16 Endosulfan II	9.153	9.163	-0.010	646023064	147.386	24
17 4,4'-DDT	9.434	9.442	-0.008	74070348	18.8567	3.1
18 Endrin aldehyde	9.523	9.531	-0.008	422123179	119.771	20
20 Endosulfan sulfate	9.725	9.733	-0.008	458355381	128.743	21
19 Methoxychlor	10.387	10.397	-0.010	42239890	23.2796	3.9
21 Endrin ketone	10.600	10.609	-0.009	308987257	73.0338	12
$ 22 Decachlorobiphenyl	12.072	12.079	-0.007	559053348	137.534	23

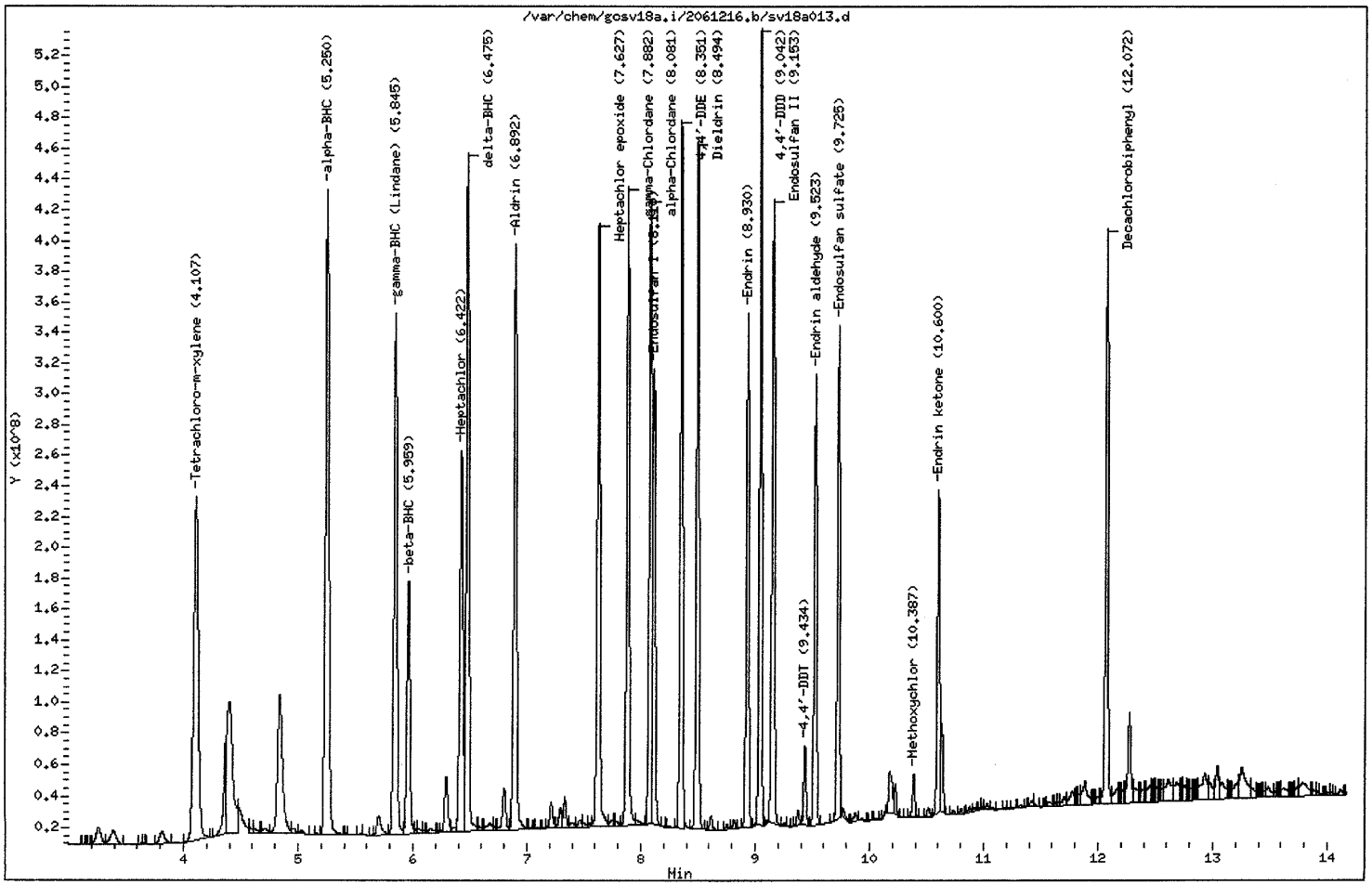
QC Flag Legend

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

035202

001115

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a013.d
Date : 16-DEC-2006 15:26
Client ID:
Instrument: gcsv18a.i
Sample Info: 20612072805*1ms
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



035203

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/08/06 2100	BATCH NO:	338462
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 338462 [EXTO/15785]	436885	30.0	5.0		PEST	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 338462 [EXTO/15785	436886	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 338462 [EXTO/1578	436887	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	SWSED1-001 (0-0.5)	20612072801	30.5	5.0			
5	4482	SWSED8-008 (0-0.5)	20612072802	30.3	5.0			GPC CLEANUP/3640
6	4482	SWSED16-016 (0-0.5)	20612072803	30.0	5.0			
7	4482	SWSED1-001 (0-0.5) MS	20612072804	30.1	5.0			SONICATOR/3550
8	4482	SWSED1-001 (0-0.5) MSD	20612072805	30.1	5.0			
9	4482	SWSED2-002 (0-0.5)	20612072806	30.0	5.0			FLORISIL CLEANUP/3620
10	4482	SWSED5-005 (0-0.5)	20612072807	30.5	5.0			
11	4482	SWSED6-006 (0-0.5)	20612072808	30.4	5.0			PCB H2So4/3665A CLEANUP
12	4482	SWSED9-009 (0-0.5)	20612072809	30.1	5.0			
13	4482	SWSED10-010 (0-0.5)	20612072810	30.4	5.0			WASTE DILUTION/3580
14	4482	SWSED11-011 (0-0.5)	20612072811	30.0	5.0			
15	4482	SWSED12-012 (0-0.5)	20612072812	30.5	5.0			TCLP EXTRACTION FLUID 1
16	4482	SWSED3-003 (0-0.5)	20612072813	30.2	5.0			
17	4482	SWSED3-003 (0-0.5)D	20612072814	30.2	5.0			TCLP EXTRACTION FLUID 2
18	4482	SWSED4-004 (0-0.5)	20612072815	30.1	5.0			
19	4482	SWSED15-015 (0-0.5)	20612072816	30.4	5.0			MECL2/Acetone No:
20	4482	SWSED7-007 (0-0.5)	20612072817	30.3	5.0			C30E50
21	4482	SWSED13-013 (0-0.5)	20612072818	30.1	5.0			ACETONE LOT NO:
22	4482	SWSED14-014 (0-0.5)	20612072819	30.5	5.0			
23	4482	SWSED17-017 (0-0.5)	20612072820	30.2	5.0			MECL2 Lot No:
24								
25			12-9-6 RA					HEXANE Lot No:
26								C28E11
27								Sodium Sulfate Lot No:
28								C34605

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

PEST

SURROGATE ID	10-46-2	8081 SPIKE ID		608 SPIKE ID	10-48-8	TECHNICIAN	DATE
VOLUME	1.0ml	VOLUME		VOLUME	0.5ml		12/08/06
CONCENTRATION	0.5ug/ml	CONCENTRATION		CONCENTRATION	1.0ug/ml		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	LT						12-9-6

Cookdown: CDJ
bottle up: CDJ

001116

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/27/06 15:00	BATCH NO:	340219
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 340219 [EXTO/16015]	444609	30.0	5.0		PEST	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 340219 [EXTO/16015	444610	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 340219 [EXTO/1601	444611	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	2WSED16-016 (0-0.5)	20612072803	30.1	5.0			
5	4482	2WSED2-002 (0-0.5)	20612072806	30.4	5.0			GPC CLEANUP/3640
6	4482	2WSED5-005 (0-0.5)	20612072807	30.0	5.0			
7	4482	2WSED6-006 (0-0.5)	20612072808	30.3	5.0			SONICATOR/3550 ✓
8	4482	2WSED3-003 (0-0.5)	20612072813	30.1	5.0			
9	4482	2WSED3-003 (0-0.5)D	20612072814	30.1	5.0			FLORISIL CLEANUP/3620
10	4482	2WSED4-004 (0-0.5)	20612072815	30.3	5.0			
11	4482	2WSED15-015 (0-0.5)	20612072816	30.0	5.0			PCB H2So4/3665A CLEANUP
12	4482	2WSED17-017 (0-0.5)	20612072820	30.1	5.0			
13								WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								C19E35
21								ACETONE LOT NO:
22								
23								MECL2 Lot No:
24								
25								HEXANE Lot No:
26								C46E79
27								Sodium Sulfate Lot No:
28								C34605

SKS 01/08/07

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

Samples was cook to 5.0mL, 1.0mL of each sample was filter through florisil cleanup process then brought up to 10mL, sample was reduce to 1.0mL

SURROGATE ID	10-48-9	8081 SPIKE ID		608 SPIKE ID	10-48-8	TECHNICIAN	DATE
VOLUME	1.0mL	VOLUME		VOLUME	0.5mL	Sumet Thomas	12/27/06
CONCENTRATION	0.5ug/mL	CONCENTRATION		CONCENTRATION	1.0ug/mL		
ACID						SUPERVISOR	DATE
SPIKE WITNESS	JT					John Bailey	01/08/07

001117

035205

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/01/2006
Instrument: gcsv17a.i
Method File: /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Batch: /var/chem/gcsv17a.i/2061124.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv17a001.d	1000.00 ml	24-NOV-2006 16:43	1.000	tls	1	deg
1206		sv17a002.d	1000.00 ml	24-NOV-2006 17:04	1.000	tls	2	8081
1201		sv17a003.d	1000.00 ml	24-NOV-2006 17:25	1.000	tls	3	8081
1202		sv17a004.d	1000.00 ml	24-NOV-2006 17:46	1.000	tls	4	8081
1203		sv17a005.d	1000.00 ml	24-NOV-2006 18:07	1.000	tls	5	8081
1204		sv17a006.d	1000.00 ml	24-NOV-2006 18:28	1.000	tls	6	8081
1205		sv17a007.d	1000.00 ml	24-NOV-2006 18:49	1.000	tls	7	8081
1600		sv17a008.d	1.00 ml	24-NOV-2006 19:10	1.000	tls	8	8081
1205		sv17a009.d	1000.00 ml	24-NOV-2006 19:31	1.000	tls	9	chlor
1201		sv17a010.d	1000.00 ml	24-NOV-2006 19:52	1.000	tls	10	tox
1205		sv17a011.d	1000.00 ml	24-NOV-2006 20:13	1.000	tls	11	tox
1203		sv17a012.d	1000.00 ml	24-NOV-2006 20:34	1.000	tls	12	aro1221
1203		sv17a013.d	1000.00 ml	24-NOV-2006 20:55	1.000	tls	13	aro1232
1203		sv17a014.d	1000.00 ml	24-NOV-2006 21:17	1.000	tls	14	aro1242
1203		sv17a015.d	1000.00 ml	24-NOV-2006 21:38	1.000	tls	15	aro1248
1203		sv17a016.d	1000.00 ml	24-NOV-2006 21:59	1.000	tls	16	aro1254
1203		sv17a017.d	1000.00 ml	24-NOV-2006 22:20	1.000	tls	17	ar1262
1203		sv17a018.d	1000.00 ml	24-NOV-2006 22:41	1.000	tls	18	ar1268
1206		sv17a019.d	1000.00 ml	24-NOV-2006 23:02	1.000	tls	19	aro1260
1201		sv17a020.d	1000.00 ml	24-NOV-2006 23:23	1.000	tls	20	aro1260
1202		sv17a021.d	1000.00 ml	24-NOV-2006 23:44	1.000	tls	21	aro1260
1203		sv17a022.d	1000.00 ml	25-NOV-2006 00:05	1.000	tls	22	aro1260
1204		sv17a023.d	1000.00 ml	25-NOV-2006 00:26	1.000	tls	23	aro1260
1205		sv17a024.d	1000.00 ml	25-NOV-2006 00:47	1.000	tls	24	aro1260
1600		sv17a025.d	1.00 ml	25-NOV-2006 01:08	1.000	tls	25	aro1260
deg		sv17a026.d	1000.00 ml	25-NOV-2006 01:29	1.000	tls	26	deg
431052		sv17a027.d	30.00 g	25-NOV-2006 01:50	1.000	tls	27	all
431053		sv17a028.d	30.00 g	25-NOV-2006 02:11	1.000	tls	28	8081
431054		sv17a029.d	30.00 g	25-NOV-2006 02:32	1.000	tls	29	8081
431060		sv17a030.d	30.00 g	25-NOV-2006 02:52	1.000	tls	30	ar1260s
431061		sv17a031.d	30.00 g	25-NOV-2006 03:14	1.000	tls	31	ar1260s
20611170223		sv17a032.d	30.20 g	25-NOV-2006 03:34	1.000	tls	32	all
20611170301		sv17a033.d	30.00 g	25-NOV-2006 03:55	1.000	tls	33	all
431062		sv17a034.d	30.30 g	25-NOV-2006 04:17	1.000	tls	34	pcb
431063		sv17a035.d	30.00 g	25-NOV-2006 04:37	1.000	tls	35	pcb
20611170302		sv17a036.d	30.20 g	25-NOV-2006 04:58	1.000	tls	36	all

035206

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/08/2007
Instrument: gcsv17a.i
Method File: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Batch: /var/chem/gcsv17a.i/2070104b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv17a001.d	1000.00 ml	04-JAN-2007 12:42	1.000	tls	1	deg
1400		sv17a002.d	1000.00 ml	04-JAN-2007 13:04	1.000	tls	2	8081
1400		sv17a003.d	1000.00 ml	04-JAN-2007 13:25	1.000	tls	3	aro1260
444609		sv17a004.d	30.00 g	04-JAN-2007 14:31	1.000	tls	4	all
444610		sv17a005.d	30.00 ml	04-JAN-2007 14:52	1.000	tls	5	8081
444611		sv17a006.d	30.00 g	04-JAN-2007 15:13	1.000	tls	6	8081
;lcs		sv17a007.d	30.00 g	04-JAN-2007 15:34	1.000	tls	7	ar1260s
lcsd		sv17a008.d	30.00 g	04-JAN-2007 15:55	1.000	tls	8	ar1260s
1400		sv17a009.d	1000.00 ml	04-JAN-2007 16:16	1.000	tls	9	8081
1400		sv17a010.d	1000.00 ml	04-JAN-2007 16:37	1.000	tls	10	8081
1400		sv17a011.d	1000.00 ml	04-JAN-2007 16:58	1.000	tls	11	aro1260
1400		sv17a012.d	1000.00 ml	04-JAN-2007 17:19	1.000	tls	12	aro1260
20612072803		sv17a013.d	30.10 g	04-JAN-2007 17:40	1.000	tls	13	all
20612072806		sv17a015.d	30.40 g	04-JAN-2007 18:22	1.000	tls	15	all
20612072807		sv17a017.d	30.00 g	04-JAN-2007 19:04	1.000	tls	17	all
20612072808		sv17a019.d	30.30 g	04-JAN-2007 19:46	1.000	tls	19	all
20612072813		sv17a021.d	30.10 g	04-JAN-2007 20:28	1.000	tls	21	all
20612072814		sv17a023.d	30.10 g	04-JAN-2007 21:11	1.000	tls	23	all
20612072815		sv17a025.d	30.30 g	04-JAN-2007 21:53	1.000	tls	25	all
20612072816		sv17a027.d	30.00 g	04-JAN-2007 22:35	1.000	tls	27	all
20612072820		sv17a029.d	30.10 g	04-JAN-2007 23:17	1.000	tls	29	all
1400		sv17a033.d	1000.00 ml	05-JAN-2007 00:41	1.000	tls	33	8081
1400		sv17a034.d	1000.00 ml	05-JAN-2007 01:03	1.000	tls	34	8081
1400		sv17a035.d	1000.00 ml	05-JAN-2007 01:23	1.000	tls	35	aro1260
1400		sv17a036.d	1000.00 ml	05-JAN-2007 01:44	1.000	tls	36	aro1260
deg		sv17a037.d	1000.00 ml	05-JAN-2007 09:08	1.000	tls	37	deg
1400		sv17a038.d	1000.00 ml	05-JAN-2007 09:29	1.000	tls	38	8081
1400		sv17a039.d	1000.00 ml	05-JAN-2007 09:50	1.000	tls	39	aro1260
lcsd		sv17a040.d	30.00 g	05-JAN-2007 10:39	1.000	tls	40	ar1260s
20612072803		sv17a041.d	30.10 g	05-JAN-2007 11:00	1.000	tls	41	all
20612072806		sv17a042.d	30.40 g	05-JAN-2007 11:21	1.000	tls	42	all
20612072807		sv17a043.d	30.00 g	05-JAN-2007 11:42	1.000	tls	43	all
20612072808		sv17a044.d	30.30 g	05-JAN-2007 12:03	1.000	tls	44	all
20612072813		sv17a045.d	30.10 g	05-JAN-2007 12:24	1.000	tls	45	all
20612072814		sv17a046.d	30.10 g	05-JAN-2007 12:45	1.000	tls	46	all
20612072815		sv17a047.d	30.30 g	05-JAN-2007 13:06	1.000	tls	47	all

035207

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/08/2007
Instrument: gcsv17a.i
Method File: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Batch: /var/chem/gcsv17a.i/2070104b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
20612072816		sv17a048.d	30.00 g	05-JAN-2007 13:27	1.000	tls	48	all
20612072820		sv17a049.d	30.10 g	05-JAN-2007 13:48	1.000	tls	49	all
1400		sv17a050.d	1000.00 ml	05-JAN-2007 14:09	1.000	tls	50	8081
1400		sv17a051.d	1000.00 ml	05-JAN-2007 16:04	1.000	tls	51	8081
1400		sv17a052.d	1000.00 ml	05-JAN-2007 16:26	1.000	tls	52	aro1260
1400		sv17a053.d	1000.00 ml	05-JAN-2007 16:47	1.000	tls	53	aro1260

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/02/2006
Instrument: gcsv17b.i
Method File: /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Batch: /var/chem/gcsv17b.i/2061124.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Injection Time	DilFactor	Anal	Comments
deg		sv17b001.d	24-NOV-2006 17:04	1.000	tls	deg
1206		sv17b002.d	24-NOV-2006 17:25	1.000	tls	8081
1201		sv17b003.d	24-NOV-2006 17:46	1.000	tls	8081
1202		sv17b004.d	24-NOV-2006 18:07	1.000	tls	8081
1203		sv17b005.d	24-NOV-2006 18:28	1.000	tls	8081
1204		sv17b006.d	24-NOV-2006 18:49	1.000	tls	8081
1205		sv17b007.d	24-NOV-2006 19:10	1.000	tls	8081
1600		sv17b008.d	24-NOV-2006 19:31	1.000	tls	8081
1205		sv17b009.d	24-NOV-2006 19:52	1.000	tls	chlor
1201		sv17b010.d	24-NOV-2006 20:13	1.000	tls	tox
1205		sv17b011.d	24-NOV-2006 20:34	1.000	tls	tox
1203		sv17b012.d	24-NOV-2006 20:55	1.000	tls	aro1221
1203		sv17b013.d	24-NOV-2006 21:17	1.000	tls	aro1232
1203		sv17b014.d	24-NOV-2006 21:38	1.000	tls	aro1242
1203		sv17b015.d	24-NOV-2006 21:59	1.000	tls	aro1248
1203		sv17b016.d	24-NOV-2006 22:20	1.000	tls	aro1254
1203		sv17b017.d	24-NOV-2006 22:41	1.000	tls	ar1262
1203		sv17b018.d	24-NOV-2006 23:02	1.000	tls	ar1268
1206		sv17b019.d	24-NOV-2006 23:23	1.000	tls	aro1260
1201		sv17b020.d	24-NOV-2006 23:44	1.000	tls	aro1260
1202		sv17b021.d	25-NOV-2006 00:05	1.000	tls	aro1260
1203		sv17b022.d	25-NOV-2006 00:26	1.000	tls	aro1260
1204		sv17b023.d	25-NOV-2006 00:47	1.000	tls	aro1260
1206		sv17b024.d	25-NOV-2006 01:08	1.000	tls	aro1260
1600		sv17b025.d	25-NOV-2006 01:29	1.000	tls	aro1260
deg		sv17b026.d	25-NOV-2006 01:50	1.000	tls	deg
20611170223		sv17b032.d	25-NOV-2006 03:55	1.000	tls	8081
20611170301		sv17b033.d	25-NOV-2006 04:17	1.000	tls	8081
20611170302		sv17b036.d	25-NOV-2006 05:19	1.000	tls	8081
1400		sv17b037.d	25-NOV-2006 11:48	1.000	tls	8081
1400		sv17b038.d	25-NOV-2006 12:38	1.000	tls	8081
1400		sv17b039.d	25-NOV-2006 12:59	1.000	tls	aro1260
1400		sv17b040.d	25-NOV-2006 13:39	1.000	tls	aro1260
deg		sv17b041.d	25-NOV-2006 14:07	1.000	tls	deg
20611170303		sv17b044.d	25-NOV-2006 15:10	1.000	tls	8081
20611170304		sv17b045.d	25-NOV-2006 15:31	1.000	tls	8081

REVISED 6-1-95 Supervisor Review: QA Review:

001121

035209

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/10/2007
Instrument: gcsv17b.i
Method File: /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Batch: /var/chem/gcsv17b.i/2070104b.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv17b001.d	1000.00 ml	04-JAN-2007 13:04	1.000	tls	1	deg
1400		sv17b002.d	1000.00 ml	04-JAN-2007 13:25	1.000	tls	2	8081
1400		sv17b003.d	1000.00 ml	04-JAN-2007 13:46	1.000	tls	3	aro1260
lcsd		sv17b008.d	30.00 g	04-JAN-2007 16:16	1.000	tls	8	ar1260s
deg		sv17b037.d	1000.00 ml	05-JAN-2007 09:29	1.000	tls	37	deg
1400		sv17b038.d	1000.00 ml	05-JAN-2007 09:50	1.000	tls	38	8081
1400		sv17b039.d	1000.00 ml	05-JAN-2007 10:11	1.000	tls	39	aro1260
lcsd		sv17b040.d	30.00 g	05-JAN-2007 11:00	1.000	tls	40	aro1260
20612072803		sv17b041.d	30.10 g	05-JAN-2007 11:21	1.000	tls	41	8081
20612072806		sv17b042.d	30.40 g	05-JAN-2007 11:42	1.000	tls	42	8081
20612072807		sv17b043.d	30.00 g	05-JAN-2007 12:03	1.000	tls	43	8081
20612072808		sv17b044.d	30.30 g	05-JAN-2007 12:24	1.000	tls	44	8081
20612072813		sv17b045.d	30.10 g	05-JAN-2007 12:45	1.000	tls	45	8081
20612072814		sv17b046.d	30.10 g	05-JAN-2007 13:06	1.000	tls	46	8081
20612072815		sv17b047.d	30.30 g	05-JAN-2007 13:27	1.000	tls	47	8081
20612072816		sv17b048.d	30.00 g	05-JAN-2007 13:48	1.000	tls	48	8081
20612072820		sv17b049.d	30.10 g	05-JAN-2007 14:09	1.000	tls	49	all
1400		sv17b050.d	1000.00 ml	05-JAN-2007 16:04	1.000	tls	50	8081
1400		sv17b051.d	1000.00 ml	05-JAN-2007 16:26	1.000	tls	51	8081
1400		sv17b052.d	1000.00 ml	05-JAN-2007 16:47	1.000	tls	52	aro1260
1400		sv17b053.d	1000.00 ml	05-JAN-2007 17:08	1.000	tls	53	aro1260

035210

LABORATORY CHRONICLE: GCSV DEPARTMENT

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

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

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/19/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2061216.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18a001.d	1000.00 ml	16-DEC-2006 10:57	1.000	tls	1	deg
1400		sv18a002.d	1000.00 ml	16-DEC-2006 11:15	1.000	tls	2	8081
1400		sv18a003.d	1000.00 ml	16-DEC-2006 11:34	1.000	tls	3	aro1260
436885		sv18a004.d	30.00 g	16-DEC-2006 12:38	1.000	tls	4	all
436886		sv18a005.d	30.00 g	16-DEC-2006 12:57	1.000	tls	5	8081
436887		sv18a006.d	30.00 g	16-DEC-2006 13:15	1.000	tls	6	8081
436883		sv18a007.d	30.00 g	16-DEC-2006 13:34	1.000	tls	7	ar1260s
436884		sv18a008.d	30.00 g	16-DEC-2006 13:53	1.000	tls	8	ar1260s
20612072801		sv18a009.d	30.50 g	16-DEC-2006 14:11	1.000	tls	9	all
20612072802		sv18a010.d	30.30 g	16-DEC-2006 14:30	1.000	tls	10	all
20612072803		sv18a011.d	30.00 g	16-DEC-2006 14:49	1.000	tls	11	all
20612072804		sv18a012.d	30.10 g	16-DEC-2006 15:08	1.000	tls	12	pest
20612072805		sv18a013.d	30.10 g	16-DEC-2006 15:26	1.000	tls	13	pest
20612072804		sv18a014.d	30.40 g	16-DEC-2006 15:45	1.000	tls	14	pcb
20612072805		sv18a015.d	30.20 g	16-DEC-2006 16:04	1.000	tls	15	pcb
20612072806		sv18a016.d	30.00 g	16-DEC-2006 16:23	1.000	tls	16	all
20612072807		sv18a017.d	30.50 g	16-DEC-2006 16:41	1.000	tls	17	all
20612072808		sv18a018.d	30.40 g	16-DEC-2006 17:00	1.000	tls	18	all
1400		sv18a019.d	1000.00 ml	16-DEC-2006 17:19	1.000	tls	19	8081
1400		sv18a020.d	1000.00 ml	16-DEC-2006 19:23	1.000	tls	20	8081
1400		sv18a021.d	1000.00 ml	16-DEC-2006 19:42	1.000	tls	21	aro1260
1400		sv18a022.d	1000.00 ml	16-DEC-2006 20:00	1.000	tls	22	aro1260
deg		sv18a023.d	1000.00 ml	18-DEC-2006 07:59	1.000	tls	23	deg
1400		sv18a024.d	1000.00 ml	18-DEC-2006 08:18	1.000	tls	24	8081
1400		sv18a025.d	1000.00 ml	18-DEC-2006 08:37	1.000	tls	25	aro1260
436886		sv18a026.d	30.00 g	18-DEC-2006 09:33	1.000	tls	26	8081
436887		sv18a027.d	30.00 g	18-DEC-2006 09:51	1.000	tls	27	8081
20612072809		sv18a028.d	30.10 g	18-DEC-2006 10:10	1.000	tls	28	all
20612072810		sv18a029.d	30.40 g	18-DEC-2006 10:28	1.000	tls	29	all
20612072811		sv18a030.d	30.00 g	18-DEC-2006 10:47	1.000	tls	30	all
20612072812		sv18a031.d	30.50 g	18-DEC-2006 11:06	1.000	tls	31	all
20612072813		sv18a032.d	30.20 g	18-DEC-2006 11:24	1.000	tls	32	all
20612072814		sv18a033.d	30.20 g	18-DEC-2006 11:43	1.000	tls	33	all
20612072815		sv18a034.d	30.10 g	18-DEC-2006 12:02	1.000	tls	34	all
20612072816		sv18a035.d	30.40 g	18-DEC-2006 12:20	1.000	tls	35	all
1400		sv18a036.d	1000.00 ml	18-DEC-2006 12:39	1.000	tls	36	8081

035212

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/19/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2061216.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1400		sv18a037.d	1000.00 ml	18-DEC-2006 14:02	1.000	tls	37	8081
1400		sv18a038.d	1000.00 ml	18-DEC-2006 14:50	1.000	tls	38	aro1260
1400		sv18a039.d	30.00 g	18-DEC-2006 15:09	1.000	tls	39	aro1260
20612072817		sv18a040.d	30.30 g	18-DEC-2006 15:27	1.000	tls	40	all
20612072818		sv18a041.d	30.10 g	18-DEC-2006 15:46	1.000	tls	41	all
20612072819		sv18a042.d	30.50 g	18-DEC-2006 16:04	1.000	tls	42	all
20612072820		sv18a043.d	30.20 g	18-DEC-2006 16:23	1.000	tls	43	all
1400		sv18a044.d	1000.00 ml	18-DEC-2006 16:42	1.000	tls	44	8081
1400		sv18a045.d	1000.00 ml	18-DEC-2006 17:01	1.000	tls	45	8081
1400		sv18a046.d	1000.00 ml	18-DEC-2006 17:19	1.000	tls	46	aro1260
1400		sv18a047.d	1000.00 ml	18-DEC-2006 17:38	1.000	tls	47	aro1260
deg		sv18a048.d	1000.00 ml	19-DEC-2006 09:01	1.000	tls	48	deg
1400		sv18a049.d	1000.00 ml	19-DEC-2006 09:20	1.000	tls	49	8081
1400		sv18a050.d	1000.00 ml	19-DEC-2006 09:38	1.000	tls	50	aro1260
20612072817		sv18a051.d	30.30 g	19-DEC-2006 10:49	1.000	tls	51	all
20612072818		sv18a052.d	30.10 g	19-DEC-2006 11:07	1.000	tls	52	all
20612072819		sv18a053.d	30.50 g	19-DEC-2006 11:26	1.000	tls	53	all
1400		sv18a054.d	1000.00 ml	19-DEC-2006 11:45	1.000	tls	54	8081
1400		sv18a055.d	1000.00 ml	19-DEC-2006 12:43	1.000	tls	55	8081
1400		sv18a056.d	1000.00 ml	19-DEC-2006 13:06	1.000	tls	56	aro1260
1400		sv18a057.d	1000.00 ml	19-DEC-2006 13:25	1.000	tls	57	aro1260

035213

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/04/2007
Instrument: gcsv18b.i
Method File: /var/chem/gcsv18b.i/2061211.b/pestXLB.m
Batch: /var/chem/gcsv18b.i/2061211.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18b001.d	1000.00 ml	11-DEC-2006 19:00	1.000	tls	1	deg
1206		sv18b002.d	1000.00 ml	11-DEC-2006 19:18	1.000	tls	2	8081
1201		sv18b003.d	1000.00 ml	11-DEC-2006 19:37	1.000	tls	3	8081
1202		sv18b004.d	1000.00 ml	11-DEC-2006 19:56	1.000	tls	4	8081
1203		sv18b005.d	1000.00 ml	11-DEC-2006 20:14	1.000	tls	5	8081
1204		sv18b006.d	1000.00 ml	11-DEC-2006 20:33	1.000	tls	6	8081
1205		sv18b007.d	1000.00 ml	11-DEC-2006 20:52	1.000	tls	7	8081
1600		sv18b008.d	1.00 ml	11-DEC-2006 21:10	1.000	tls	8	8081
1205		sv18b009.d	1000.00 ml	11-DEC-2006 21:29	1.000	tls	9	chlor
1201		sv18b010.d	1000.00 ml	11-DEC-2006 21:48	1.000	tls	10	tox
1205		sv18b011.d	1000.00 ml	11-DEC-2006 22:06	1.000	tls	11	tox
1203		sv18b012.d	1000.00 ml	11-DEC-2006 22:25	1.000	tls	12	aro1221
1203		sv18b013.d	1000.00 ml	11-DEC-2006 22:44	1.000	tls	13	aro1232
1203		sv18b014.d	1000.00 ml	11-DEC-2006 23:02	1.000	tls	14	aro1242
1203		sv18b015.d	1000.00 ml	11-DEC-2006 23:21	1.000	tls	15	aro1248
1203		sv18b016.d	1000.00 ml	11-DEC-2006 23:40	1.000	tls	16	aro1254
1206		sv18b017.d	1000.00 ml	11-DEC-2006 23:59	1.000	tls	17	aro1260
1201		sv18b018.d	1000.00 ml	12-DEC-2006 00:18	1.000	tls	18	aro1260
1202		sv18b019.d	1000.00 ml	12-DEC-2006 00:36	1.000	tls	19	aro1260
1203		sv18b020.d	1000.00 ml	12-DEC-2006 00:55	1.000	tls	20	aro1260
1204		sv18b021.d	1000.00 ml	12-DEC-2006 01:14	1.000	tls	21	aro1260
1205		sv18b022.d	1000.00 ml	12-DEC-2006 01:33	1.000	tls	22	aro1260
1600		sv18b023.d	1.00 ml	12-DEC-2006 01:51	1.000	tls	23	aro1260
deg		sv18b024.d	1000.00 ml	12-DEC-2006 02:10	1.000	tls	24	deg
20612072301		sv18b030.d	1000.00 ml	12-DEC-2006 04:02	1.000	hjl	30	8081
20612072302		sv18b031.d	1000.00 ml	12-DEC-2006 04:21	1.000	hjl	31	8081
1400		sv18b035.d	1000.00 ml	12-DEC-2006 05:35	1.000	tls	35	8081
1400		sv18b036.d	1000.00 ml	12-DEC-2006 05:54	1.000	tls	36	8081
1400		sv18b037.d	1000.00 ml	12-DEC-2006 06:13	1.000	tls	37	aro1260
1400		sv18b038.d	1000.00 ml	12-DEC-2006 06:32	1.000	tls	38	aro1260
20612072305		sv18b040.d	1000.00 ml	12-DEC-2006 07:09	1.000	hjl	40	8081
20612072306		sv18b041.d	1000.00 ml	12-DEC-2006 07:28	1.000	hjl	41	8081
20612072307		sv18b042.d	1000.00 ml	12-DEC-2006 07:46	1.000	hjl	42	8081
1400		sv18b045.d	1000.00 ml	12-DEC-2006 08:42	1.000	tls	45	8081
1400		sv18b046.d	1000.00 ml	12-DEC-2006 09:01	1.000	tls	46	8081
1400		sv18b047.d	1000.00 ml	12-DEC-2006 09:20	1.000	tls	47	aro1260

035214

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/10/2007
Instrument: gcsv18b.i
Method File: /var/chem/gcsv18b.i/2061216.b/pestXLB.m
Batch: /var/chem/gcsv18b.i/2061216.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18b001.d	1000.00 ml	16-DEC-2006 11:15	1.000	tls	1	deg
1400		sv18b002.d	1000.00 ml	16-DEC-2006 11:34	1.000	tls	2	8081
1400		sv18b003.d	1000.00 ml	16-DEC-2006 11:53	1.000	tls	3	aro1260
20612072802		sv18b010.d	30.30 g	16-DEC-2006 14:49	1.000	tls	10	8081
1400		sv18b019.d	1000.00 ml	16-DEC-2006 19:23	1.000	tls	19	8081
1400		sv18b020.d	1000.00 ml	16-DEC-2006 19:42	1.000	tls	20	8081
1400		sv18b021.d	1000.00 ml	16-DEC-2006 20:00	1.000	tls	21	aro1260
1400		sv18b022.d	1000.00 ml	16-DEC-2006 20:19	1.000	tls	22	aro1260
deg		sv18b023.d	1000.00 ml	18-DEC-2006 08:18	1.000	tls	23	deg
1400		sv18b024.d	1000.00 ml	18-DEC-2006 08:37	1.000	tls	24	8081
1400		sv18b025.d	1000.00 ml	18-DEC-2006 08:55	1.000	tls	25	aro1260
436886		sv18b026.d	30.00 g	18-DEC-2006 09:51	1.000	tls	26	8081
20612072809		sv18b028.d	30.10 g	18-DEC-2006 10:28	1.000	tls	28	8081
20612072810		sv18b029.d	30.40 g	18-DEC-2006 10:47	1.000	tls	29	8081
20612072811		sv18b030.d	30.00 g	18-DEC-2006 11:06	1.000	tls	30	8081
20612072812		sv18b031.d	30.50 g	18-DEC-2006 11:24	1.000	tls	31	8081
1400		sv18b036.d	1000.00 ml	18-DEC-2006 14:02	1.000	tls	36	8081
1400		sv18b037.d	1000.00 ml	18-DEC-2006 14:50	1.000	tls	37	8081
deg		sv18b048.d	1000.00 ml	19-DEC-2006 09:20	1.000	tls	48	deg
1400		sv18b049.d	1000.00 ml	19-DEC-2006 09:38	1.000	tls	49	8081
1400		sv18b050.d	1000.00 ml	19-DEC-2006 09:57	1.000	tls	50	aro1260
20612072817		sv18b051.d	30.30 g	19-DEC-2006 11:07	1.000	tls	51	8081
20612072818		sv18b052.d	30.10 g	19-DEC-2006 11:26	1.000	tls	52	8081
20612072819		sv18b053.d	30.50 g	19-DEC-2006 11:45	1.000	tls	53	8081
1400		sv18b054.d	1000.00 ml	19-DEC-2006 12:43	1.000	tls	54	8081

035215

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

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.	2WSED1-001 (0-0.5)	93								0
2.	2WSED8-008 (0-0.5)	135								0
3.	2WSED16-016 (0-0.5)	63								0
4.	2WSED1-001 (0-0.5) MS	141								0
5.	2WSED1-001 (0-0.5) MSD	130								0
6.	2WSED2-002 (0-0.5)	89								0
7.	2WSED5-005 (0-0.5)	97								0
8.	2WSED6-006 (0-0.5)	77								0
9.	2WSED9-009 (0-0.5)	151								0
10.	2WSED10-010 (0-0.5)	145								0
11.	2WSED11-011 (0-0.5)	137								0
12.	2WSED12-012 (0-0.5)	133								0
13.	2WSED3-003 (0-0.5)	132								0
14.	2WSED3-003 (0-0.5)D	2160	*							1
15.	2WSED4-004 (0-0.5)	0	*							1
16.	2WSED15-015 (0-0.5)	98								0
17.	2WSED7-007 (0-0.5)	135								0
18.	2WSED13-013 (0-0.5)	125								0
19.	2WSED14-014 (0-0.5)	143								0
20.	2WSED17-017 (0-0.5)	71								0
21.	MB436882	120								0
22.	LCS436883	138								0
23.	LCSD436884	143								0
24.	MB444612	91								0
25.	LCS444613	81								0
26.	LCSD444614	76								0

CONTROL LIMITS

SMC 1 : Decachlorobiphenyl 56 159

SMC 2 :

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

FORM II ORG-2

001128

035216

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8082

Prep Batch: 338461 Analytical Batch: 339132

Spike HSN : 436883

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	LCS CONCENTRATION	LCS % REC	LCS % REC FLAG	QC. LIMITS
Aroclor-1016	mg/kg	.133	0	.158	119		62 - 124
Aroclor-1260	mg/kg	.133	0	.166	125		62 - 129

Spike Dupe HSN : 436884

COMPOUND	UNITS	SPIKE ADDED	LCSD CONC.	LCSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Aroclor-1016	mg/kg	.133	.164	123		4		62 - 124	0 - 31
Aroclor-1260	mg/kg	.133	.165	124		.6		62 - 129	0 - 36

RPD : 0 out of 2 outside limits

Spike Recovery: 0 out of 4 outside limits

001129

035217

3F

SOIL ORGANIC LCS/LCSD RECOVERY

Lab Name: GCAL

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8082

Prep Batch: 340220 Analytical Batch: 340230

Spike HSN : 444613

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*LCS CONCENTRATION*	*LCS % REC*	*LCS % REC FLAG*	*QC. LIMITS*
Aroclor-1016	mg/kg	.133	0	.087	65		62 - 124
Aroclor-1260	mg/kg	.133	0	.1	75		62 - 129

Spike Dupe HSN : 444614

COMPOUND	*UNITS*	*SPIKE ADDED*	*LCSD CONC.*	*LCSD % REC*	*REC FLAG*	*% RPD*	*RPD FLAG*	*QC. LIMITS REC*	*QC. LIMITS RPD*
Aroclor-1016	mg/kg	.133	.082	61	*	6		62 - 124	0 - 31
Aroclor-1260	mg/kg	.133	.086	64		15		62 - 129	0 - 36

RPD : 0 out of 2 outside limits

Spike Recovery: 1 out of 4 outside limits

3F

SOILORGANIC MS/MSD RECOVERY

Lab Name: GCAL Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Contract: Method: SW-846 8082

Prep Batch: 338461 Analytical Batch: 339132

Spike HSN : 20612072804

COMPOUND	UNITS	SPIKE ADDED	SAMPLE CONCENTRATION	MS CONCENTRATION	MS % REC	MS % REC FLAG	QC. LIMITS
Aroclor-1016	mg/kg	.242	0	.242	100		40 - 154
Aroclor-1260	mg/kg	.242	0	.275	114		40 - 168

Spike Dupe HSN : 20612072805

COMPOUND	UNITS	SPIKE ADDED	MSD CONC.	MSD % REC	REC FLAG	% RPD	RPD FLAG	QC. LIMITS REC	QC. LIMITS RPD
Aroclor-1016	mg/kg	.242	.246	101		2		40 - 154	0 - 43
Aroclor-1260	mg/kg	.242	.274	112		.7		40 - 168	0 - 50

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: MB436882

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

Lab Sample ID: 436882 | SAS No.: | SDG No.: 206120728

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/08/06

Date Analyzed (1): 12/16/06 | Time (1): 1238 | Date Analyzed (2): | Time (2):

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

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

Method: SW-846 8082 | Prep Batch: 338461 | Analytical Batch: 339132

Lab File ID: 2061216/sv18a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS436883	436883	12/16/06	1334		
2.	LCSD436884	436884	12/16/06	1353		
3.	2WSED1-001 (0-0.5)	20612072801	12/16/06	1411		
4.	2WSED8-008 (0-0.5)	20612072802	12/16/06	1430		
5.	2WSED1-001 (0-0.5) MS	20612072804	12/16/06	1545		
6.	2WSED1-001 (0-0.5) MSD	20612072805	12/16/06	1604		
7.	2WSED9-009 (0-0.5)	20612072809	12/18/06	1010		
8.	2WSED10-010 (0-0.5)	20612072810	12/18/06	1028		
9.	2WSED11-011 (0-0.5)	20612072811	12/18/06	1047		
10.	2WSED12-012 (0-0.5)	20612072812	12/18/06	1106		
11.	2WSED7-007 (0-0.5)	20612072817	12/19/06	1049		
12.	2WSED13-013 (0-0.5)	20612072818	12/19/06	1107		
13.	2WSED14-014 (0-0.5)	20612072819	12/19/06	1126		

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB444612

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

Lab Sample ID: 444612 | SAS No.: | SDG No.: 206120728

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/27/06

Date Analyzed (1): 01/04/07 | Time (1): 1431 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS17A | Instrument ID (2):

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

Method: SW-846 8082 | Prep Batch: 340220 | Analytical Batch: 340230

Lab File ID: 2070104b/sv17a

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS444613	444613	01/04/07	1534		
2.	LCSD444614	444614	01/05/07	1039		
3.	2WSED16-016 (0-0.5)	20612072803	01/05/07	1100		
4.	2WSED2-002 (0-0.5)	20612072806	01/05/07	1121		
5.	2WSED5-005 (0-0.5)	20612072807	01/05/07	1142		
6.	2WSED6-006 (0-0.5)	20612072808	01/05/07	1203		
7.	2WSED3-003 (0-0.5)	20612072813	01/05/07	1224		
8.	2WSED3-003 (0-0.5)D	20612072814	01/05/07	1245		
9.	2WSED4-004 (0-0.5)	20612072815	01/05/07	1306		
10.	2WSED15-015 (0-0.5)	20612072816	01/05/07	1327		
11.	2WSED17-017 (0-0.5)	20612072820	01/05/07	1348		

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED1-001 (0-0.5)

Lab Code: LA024 Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.5 Units: g | Lab Sample ID: 20612072801

Level: (low/med) LOW | Date Collected: 12/06/06 Time: 1115

% Moisture: 22.5 decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 Time: 1411

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: 338461 Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a009

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.025	U	0.00341	0.025
11104-28-2	Aroclor-1221	0.025	U	0.00582	0.025
11141-16-5	Aroclor-1232	0.025	U	0.00638	0.025
53469-21-9	Aroclor-1242	0.025	U	0.00745	0.025
12672-29-6	Aroclor-1248	0.025	U	0.00496	0.025
11097-69-1	Aroclor-1254	0.025	U	0.00412	0.025
11096-82-5	Aroclor-1260	0.025	U	0.00344	0.025

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a009.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a009.d
Lab Smp Id: 20612072801
Inj Date : 16-DEC-2006 14:11
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072801*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 9
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

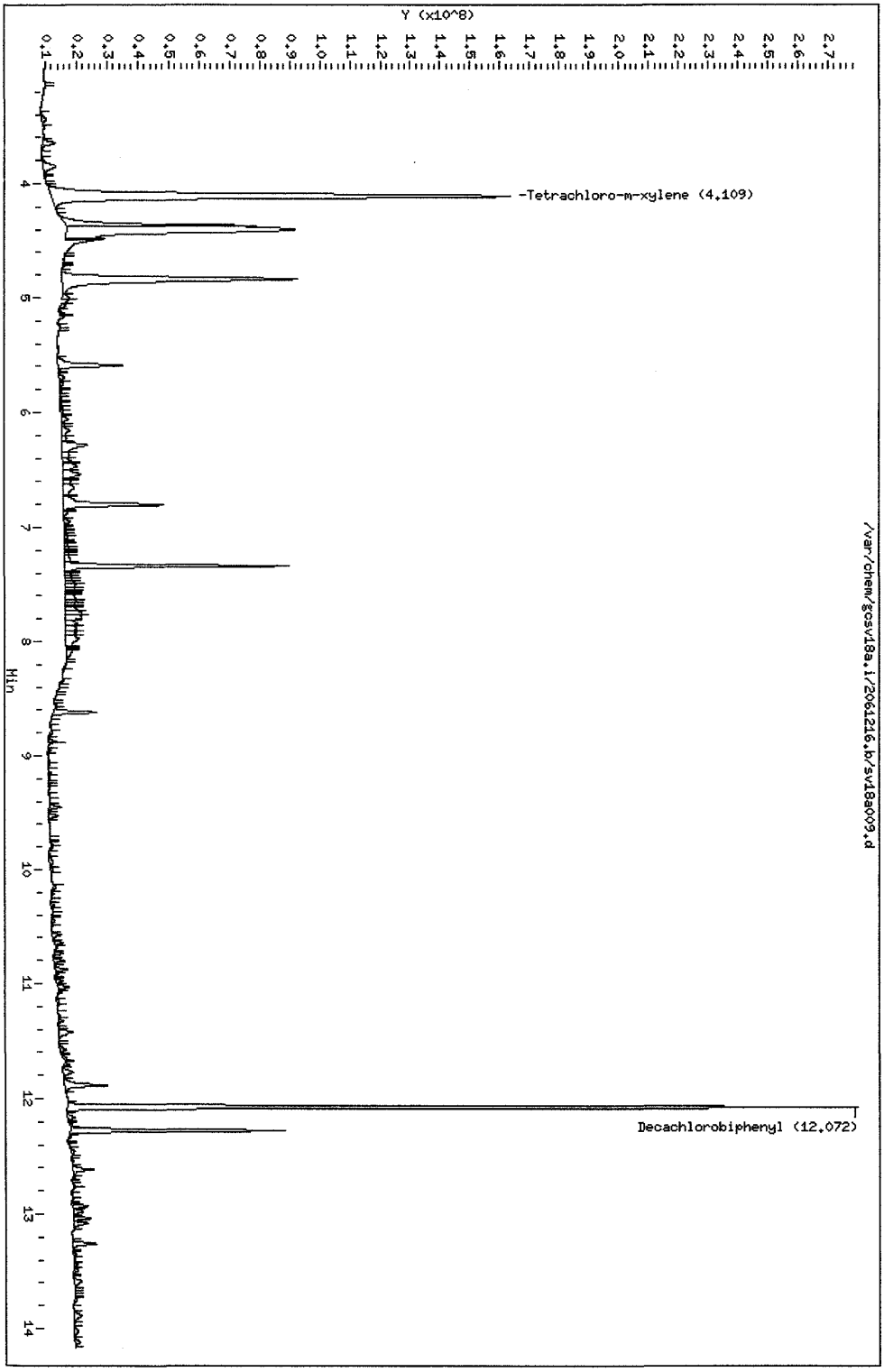
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

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	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.109	4.116	-0.007	450089963	83.8364	14
$ 22 Decachlorobiphenyl	12.072	12.078	-0.006	380264355	93.5494	15

035223


Data File: /var/chem/gcsv18a.i/2061216.b/sv18a009.d
Date : 16-DEC-2006 14:11
Client ID:
Sample Info: 2061207280lx1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
-Tetrachloro-m-xylene (4.109)
Decachlorobiphenyl (12.072)
/var/chem/gcsv18a.i/2061216.b/sv18a009.d
Min

035224

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED8-008 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.5 | Units: g | Lab Sample ID: 20612072802

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1015

% Moisture: 32.0 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1430

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a010

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.029	U	0.00388	0.029
11104-28-2	Aroclor-1221	0.029	U	0.00663	0.029
11141-16-5	Aroclor-1232	0.029	U	0.00727	0.029
53469-21-9	Aroclor-1242	0.029	U	0.00848	0.029
12672-29-6	Aroclor-1248	0.029	U	0.00565	0.029
11097-69-1	Aroclor-1254	0.029	U	0.00469	0.029
11096-82-5	Aroclor-1260	0.029	U	0.00392	0.029

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a010.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a010.d
Lab Smp Id: 20612072802
Inj Date : 16-DEC-2006 14:30
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072802*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 10
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.113	4.116	-0.003	553390877	103.078	17(A)
$ 22 Decachlorobiphenyl	12.077	12.078	-0.001	544691476	134.000	22

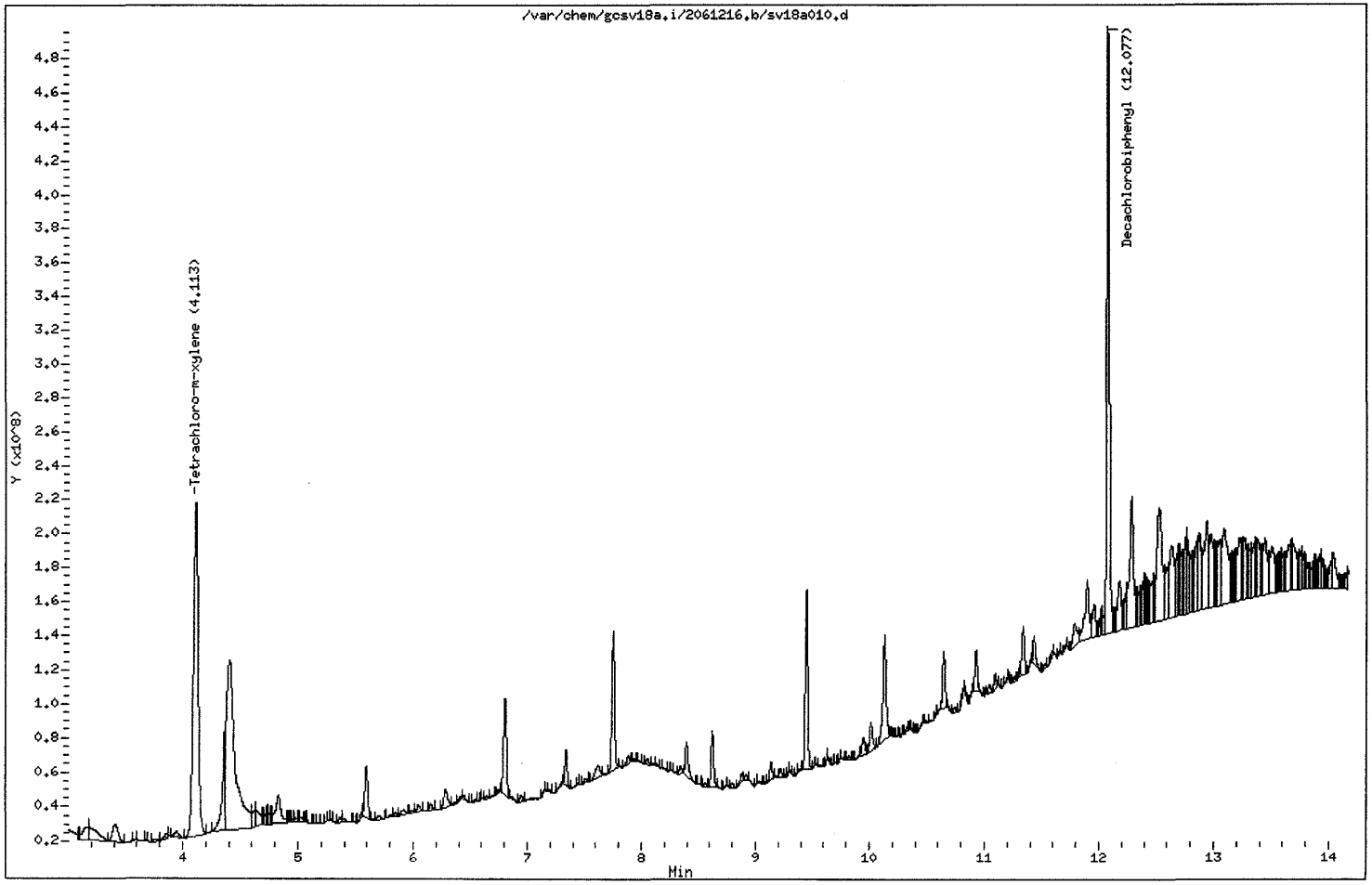
QC Flag Legend

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

035226

001139

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a010.d
Date : 16-DEC-2006 14:30
Client ID:
Instrument: gcsv18a.i
Sample Info: 2061207280201
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



035227

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 2WSED16-016 (0-0.5)

Lab Code: LA024 Case No.:
Contract:

Matrix: Soil
SAS No.: SDG No.: 206120728

Sample wt/vol: 30.1 Units: g
Lab Sample ID: 20612072803

Level: (low/med) LOW
Date Collected: 12/06/06 Time: 1030

% Moisture: 45.5 decanted: (Y/N)
Date Received: 12/07/06

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 01/05/07 Time: 1100

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: 340220 Analytical Batch: 340230
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg*
Lab File ID: 2070104b/sv17a041

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.037	U	0.00491	0.037
11104-28-2	Aroclor-1221	0.037	U	0.00839	0.037
11141-16-5	Aroclor-1232	0.037	U	0.00919	0.037
53469-21-9	Aroclor-1242	0.037	U	0.011	0.037
12672-29-6	Aroclor-1248	0.037	U	0.00715	0.037
11097-69-1	Aroclor-1254	0.037	U	0.00594	0.037
11096-82-5	Aroclor-1260	0.037	U	0.00496	0.037

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a041.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a041.d
Lab Smp Id: 20612072803
Inj Date : 05-JAN-2007 11:00
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072803*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 41
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

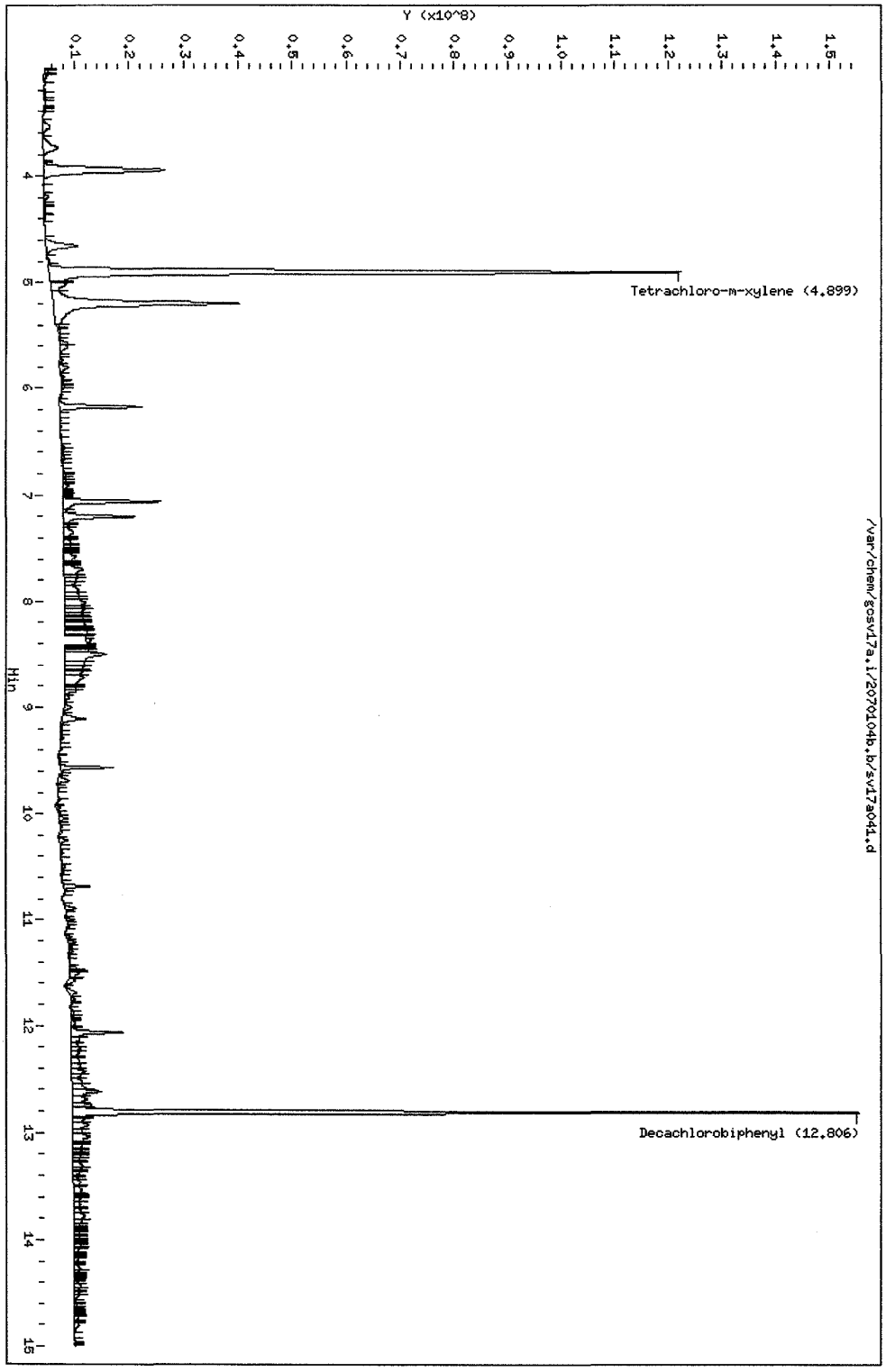
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.10000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.899	4.903	-0.004	309469189	63.3200	11
$ 22 Decachlorobiphenyl	12.806	12.824	-0.018	229171521	63.1627	10

001141

035229



001142

035230

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED2-002 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20612072806

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0825

% Moisture: 58.8 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1121

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a042

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.048	U	0.00643	0.048
11104-28-2	Aroclor-1221	0.048	U	0.011	0.048
11141-16-5	Aroclor-1232	0.048	U	0.012	0.048
53469-21-9	Aroclor-1242	0.048	U	0.014	0.048
12672-29-6	Aroclor-1248	0.048	U	0.00935	0.048
11097-69-1	Aroclor-1254	0.048	U	0.00777	0.048
11096-82-5	Aroclor-1260	0.048	U	0.00649	0.048

001143

035231

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a042.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a042.d
Lab Smp Id: 20612072806
Inj Date : 05-JAN-2007 11:21
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072806*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 42
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

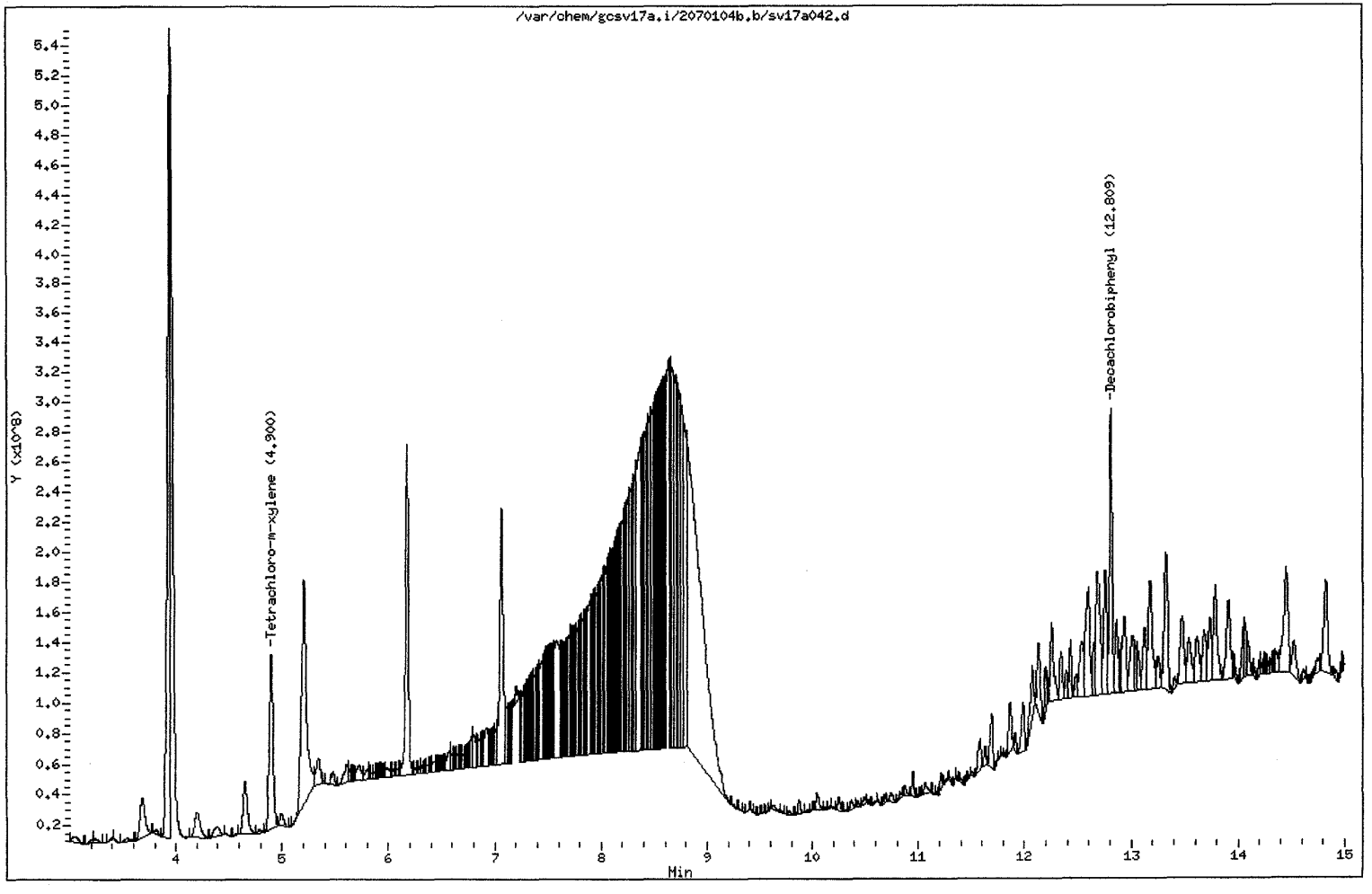
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.900	4.903	-0.003	280187007	57.3286	9.4
$ 22 Decachlorobiphenyl	12.809	12.824	-0.015	324826144	89.5264	15

035232

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a042.d
Date : 05-JAN-2007 11:21
Client ID:
Sample Info: 20612072806*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED5-005 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 20612072807

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0820

% Moisture: 40.3 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1142

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a043

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.034	U	0.00450	0.034
11104-28-2	Aroclor-1221	0.034	U	0.00768	0.034
11141-16-5	Aroclor-1232	0.034	U	0.00842	0.034
53469-21-9	Aroclor-1242	0.034	U	0.00983	0.034
12672-29-6	Aroclor-1248	0.034	U	0.00654	0.034
11097-69-1	Aroclor-1254	0.034	U	0.00544	0.034
11096-82-5	Aroclor-1260	0.034	U	0.00454	0.034

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a043.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a043.d
Lab Smp Id: 20612072807
Inj Date : 05-JAN-2007 11:42
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072807*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 43
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

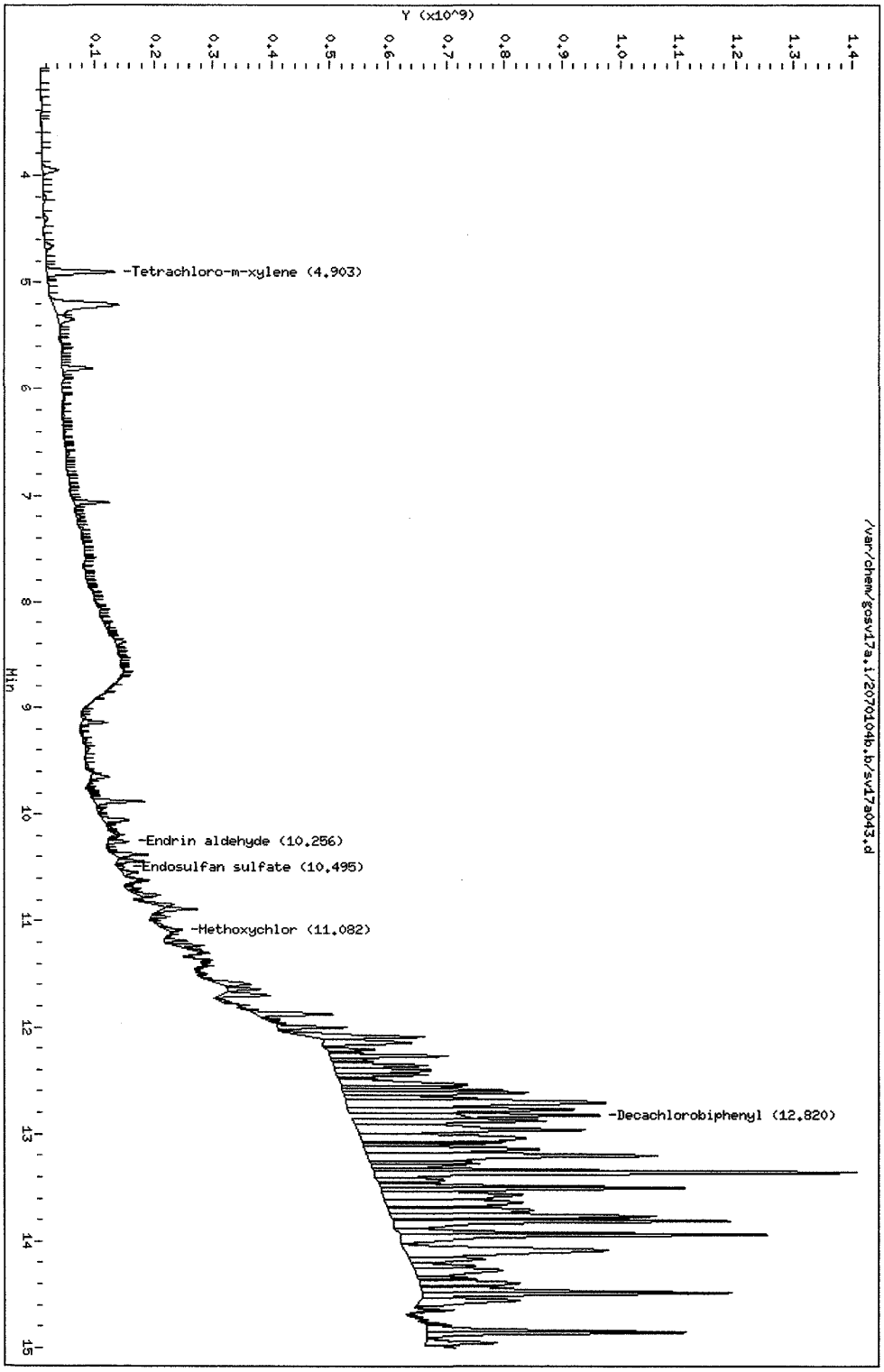
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.903	4.903	0.000	287620154	58.8495	9.8
18 Endrin aldehyde	10.256	10.281	-0.025	58469708	18.0736	3.0
19 Methoxychlor	11.082	11.112	-0.030	45488304	26.1011	4.4
20 Endosulfan sulfate	10.495	10.479	0.016	16400336	4.85604	0.81
$ 22 Decachlorobiphenyl	12.820	12.824	-0.004	350801819	96.6856	16(M2)

QC Flag Legend

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

001147

035235


Data File: /var/chem/gcsv17a.i/20701104b.b/sv17a043.d
Date : 05-JAN-2007 11:42
Client ID:
Sample Info: 20612072807M1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32
Y (x10^9)
Min
-Tetrachloro-m-xylene (4.903)
-Endrin aldehyde (10.256)
-Endosulfan sulfate (10.495)
-Methoxychlor (11.082)
-Decachlorobiphenyl (12.820)
/var/chem/gcsv17a.i/20701104b.b/sv17a043.d

035236

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED6-006 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.3 | Units: g | Lab Sample ID: 20612072808

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0825

% Moisture: 36.2 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1203

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a044

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.031	U	0.00417	0.031
11104-28-2	Aroclor-1221	0.031	U	0.00712	0.031
11141-16-5	Aroclor-1232	0.031	U	0.00780	0.031
53469-21-9	Aroclor-1242	0.031	U	0.00910	0.031
12672-29-6	Aroclor-1248	0.031	U	0.00606	0.031
11097-69-1	Aroclor-1254	0.031	U	0.00504	0.031
11096-82-5	Aroclor-1260	0.031	U	0.00421	0.031

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a044.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a044.d
Lab Smp Id: 20612072808
Inj Date : 05-JAN-2007 12:03
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072808*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 44
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	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

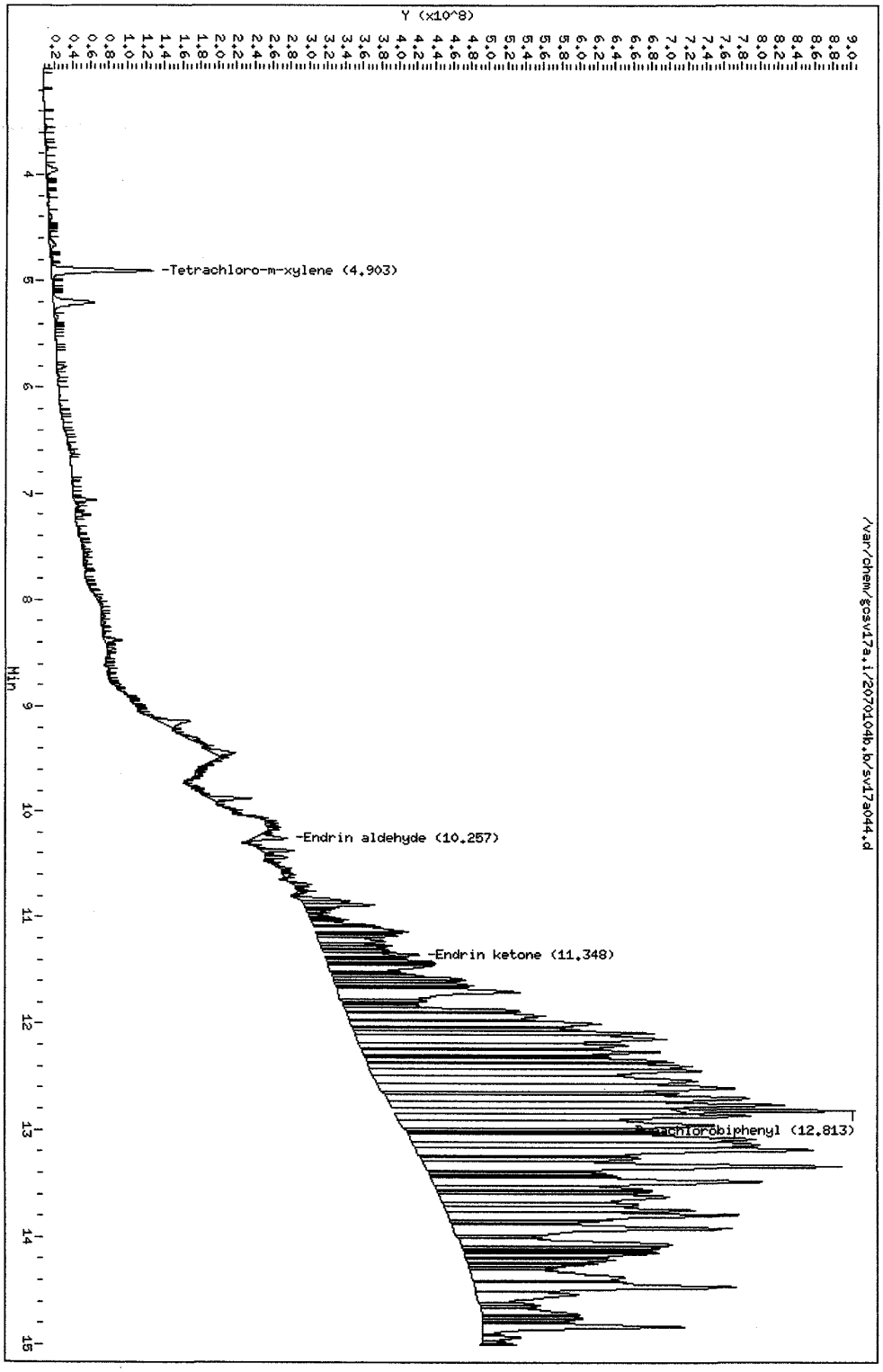
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.903	4.903	0.000	282204477	57.7414	9.5
18 Endrin aldehyde	10.257	10.281	-0.024	84687334	26.1777	4.3
21 Endrin ketone	11.348	11.360	-0.012	46277005	11.2868	1.9(M2)
$ 22 Decachlorobiphenyl	12.813	12.824	-0.011	278996052	76.8950	13(M2)

QC Flag Legend

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

001150

035238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Date : 05-JAN-2007 12:03
Client ID:
Sample Info: 20612072808M1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
-Tetrachloro-m-xylene (4.903)
-Endrin aldehyde (10.257)
-Endrin ketone (11.348)
-Decachlorobiphenyl (12.813)
/var/chem/gcsv17a.i/20701104b.b/sv17a044.d
Min

001151

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9-009 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072809

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1020

% Moisture: 17.5 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/18/06 | Time: 1010

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a028

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.024	U	0.00325	0.024
11104-28-2	Aroclor-1221	0.024	U	0.00554	0.024
11141-16-5	Aroclor-1232	0.024	U	0.00607	0.024
53469-21-9	Aroclor-1242	0.024	U	0.00709	0.024
12672-29-6	Aroclor-1248	0.024	U	0.00472	0.024
11097-69-1	Aroclor-1254	0.024	U	0.00392	0.024
11096-82-5	Aroclor-1260	0.024	U	0.00328	0.024

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a028.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a028.d
Lab Smp Id: 20612072809
Inj Date : 18-DEC-2006 10:10
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072809*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 28
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

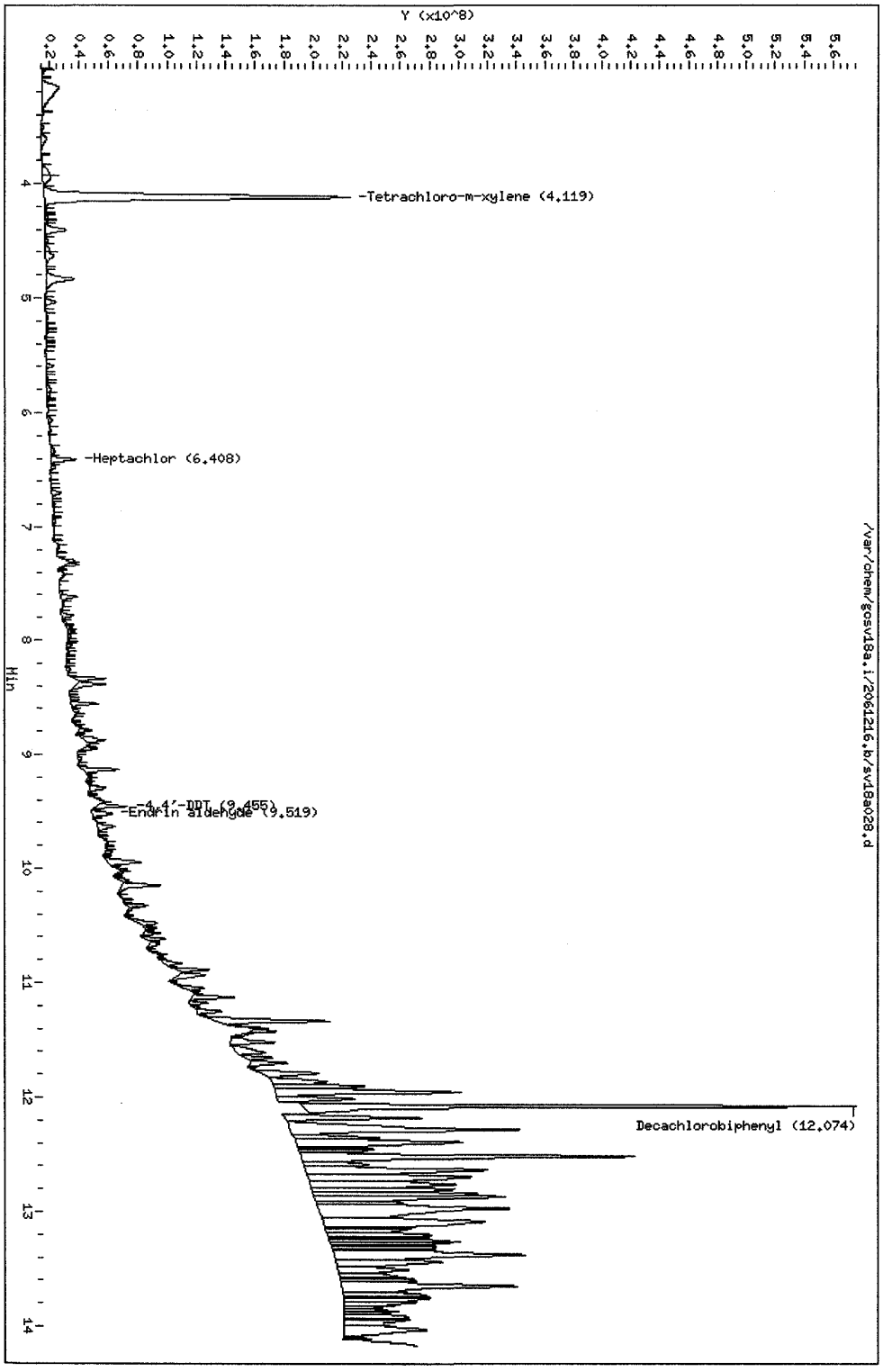
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$ 1	Tetrachloro-m-xylene	4.119	4.116	0.003	613671643	114.306	19(A)
4	Heptachlor	6.408	6.429	-0.021	30688472	5.50085	0.91
17	4,4'-DDT	9.455	9.441	0.014	32009463	8.14890	1.4
18	Endrin aldehyde	9.519	9.530	-0.011	26437790	7.50133	1.2
$ 22	Decachlorobiphenyl	12.074	12.078	-0.004	612078771	150.578	25(M2)

QC Flag Legend

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

035241



001154

035242

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Lab Code: LA024 Case No.:
Matrix: Soil
Sample wt/vol: 30.4 Units: g
Level: (low/med) LOW
% Moisture: 26.8 decanted: (Y/N)
GC Column: RTX-35MS-3 ID: .25 (mm)
Concentrated Extract Volume: 5000 (µL)
Soil Aliquot Volume: (µL)
Injection Volume: 1 (µL)
GPC Cleanup: (Y/N) N pH:
Prep Batch: 338461 Analytical Batch: 339132

CONCENTRATION UNITS: *mg/kg*

Sample ID: 2WSED10-010 (0-0.5)
Contract:
SAS No.: SDG No.: 206120728
Lab Sample ID: 20612072810
Date Collected: 12/06/06 Time: 0930
Date Received: 12/07/06
Date Extracted: 12/08/06
Date Analyzed: 12/18/06 Time: 1028
Dilution Factor: 1 Analyst: TLS
Prep Method: 3550B
Analytical Method: SW-846 8082
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A
Lab File ID: 2061216/sv18a029

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.027	U	0.00362	0.027
11104-28-2	Aroclor-1221	0.027	U	0.00618	0.027
11141-16-5	Aroclor-1232	0.027	U	0.00678	0.027
53469-21-9	Aroclor-1242	0.027	U	0.00791	0.027
12672-29-6	Aroclor-1248	0.027	U	0.00527	0.027
11097-69-1	Aroclor-1254	0.027	U	0.00438	0.027
11096-82-5	Aroclor-1260	0.027	U	0.00365	0.027

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a029.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a029.d
Lab Smp Id: 20612072810
Inj Date : 18-DEC-2006 10:28
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072810*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 29
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

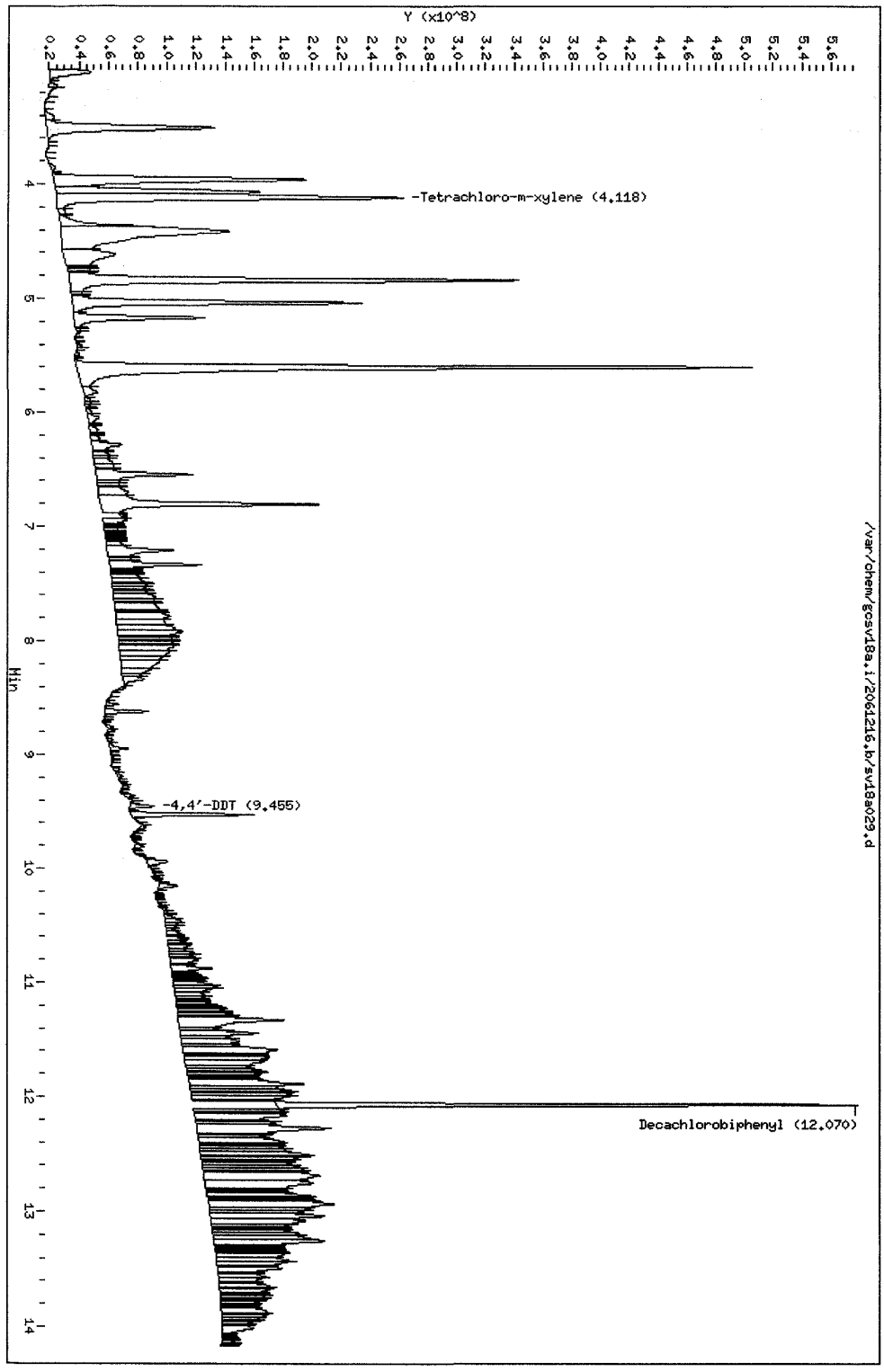
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.118	4.116	0.002	716621898	133.482	22(A)
17 4,4'-DDT	9.455	9.441	0.014	24717468	6.29252	1.0
$ 22 Decachlorobiphenyl	12.070	12.078	-0.008	591219955	145.447	24(M2)

QC Flag Legend

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

001156

035244



001157

035245

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 2WSED11-011 (0-0.5)

Lab Code: LA024 Case No.:
Contract:

Matrix: Soil
SAS No.: SDG No.: 206120728

Sample wt/vol: 30 Units: g
Lab Sample ID: 20612072811

Level: (low/med) LOW
Date Collected: 12/06/06 Time: 0935

% Moisture: 26.2 decanted: (Y/N)
Date Received: 12/07/06

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 12/18/06 Time: 1047

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

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

GPC Cleanup: (Y/N) N pH:
Analytical Method: SW-846 8082

Prep Batch: 338461 Analytical Batch: 339132
Sulfur Cleanup: (Y/N) N Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg*
Lab File ID: 2061216/sv18a030

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.027	U	0.00364	0.027
11104-28-2	Aroclor-1221	0.027	U	0.00622	0.027
11141-16-5	Aroclor-1232	0.027	U	0.00681	0.027
53469-21-9	Aroclor-1242	0.027	U	0.00795	0.027
12672-29-6	Aroclor-1248	0.027	U	0.00529	0.027
11097-69-1	Aroclor-1254	0.027	U	0.00440	0.027
11096-82-5	Aroclor-1260	0.027	U	0.00367	0.027

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a030.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a030.d
Lab Smp Id: 20612072811
Inj Date : 18-DEC-2006 10:47
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072811*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 30
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

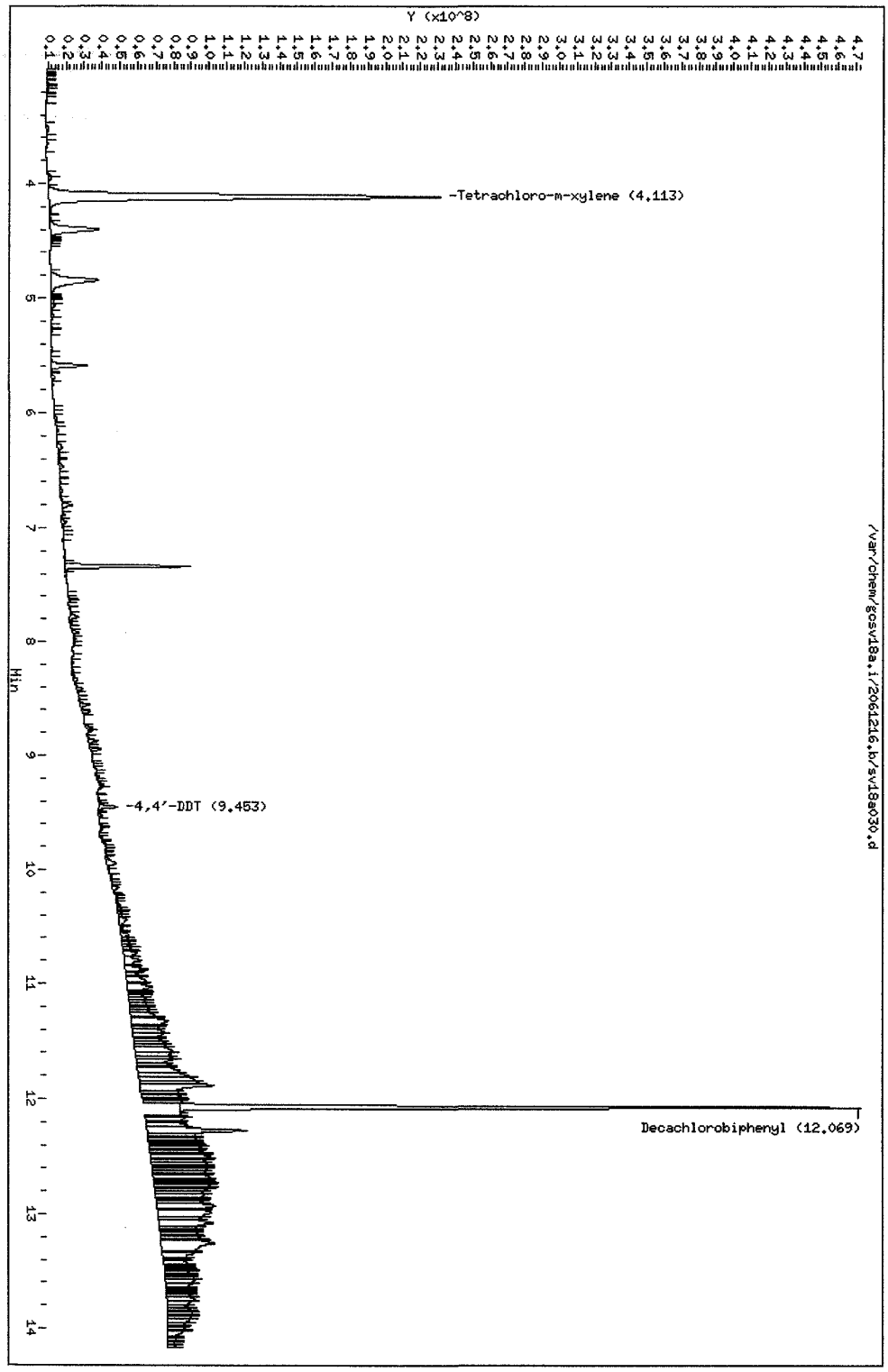
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.113	4.116	-0.003	652030361	121.451	20(A)
17 4,4'-DDT	9.453	9.441	0.012	16140614	4.10904	0.68
$ 22 Decachlorobiphenyl	12.069	12.078	-0.009	555760988	136.724	23(M2)

QC Flag Legend

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

001159

035247



001160

035248

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED12-012 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.5 | Units: g | Lab Sample ID: 20612072812

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0940

% Moisture: 16.9 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/18/06 | Time: 1106

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

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

GPC Cleanup: (Y/N) N | pH: | Analytical Method: SW-846 8082

Prep Batch: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a031

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.024	U	0.00318	0.024
11104-28-2	Aroclor-1221	0.024	U	0.00543	0.024
11141-16-5	Aroclor-1232	0.024	U	0.00595	0.024
53469-21-9	Aroclor-1242	0.024	U	0.00694	0.024
12672-29-6	Aroclor-1248	0.024	U	0.00462	0.024
11097-69-1	Aroclor-1254	0.024	U	0.00384	0.024
11096-82-5	Aroclor-1260	0.024	U	0.00321	0.024

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a031.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a031.d
Lab Smp Id: 20612072812
Inj Date : 18-DEC-2006 11:06
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072812*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 31
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	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

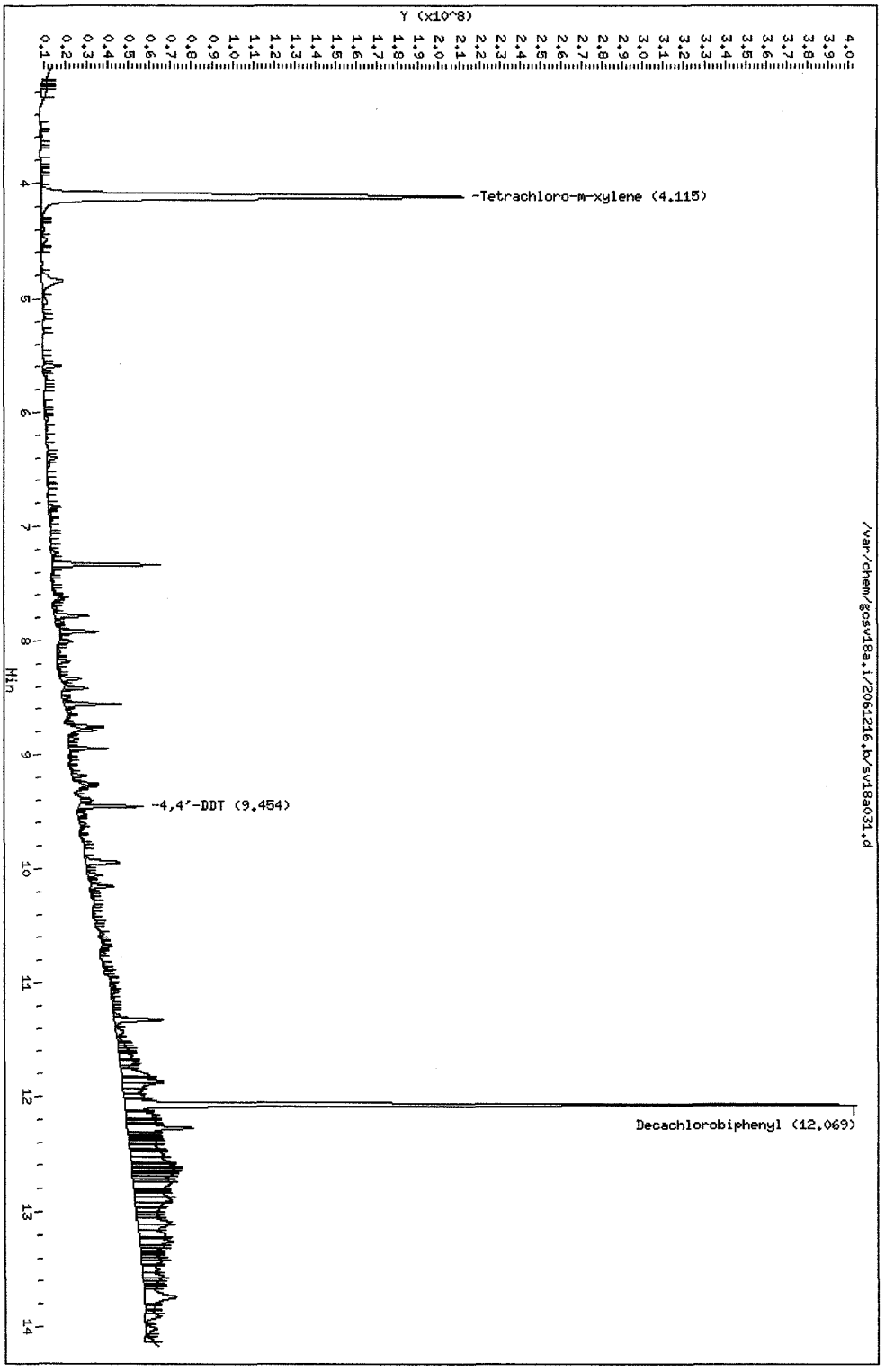
						CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
Compounds		RT	EXP RT	DLT RT	RESPONSE		
$ 1	Tetrachloro-m-xylene	4.115	4.116	-0.001	616600299	114.852	19(A)
17	4,4'-DDT	9.454	9.441	0.013	42166193	10.7346	1.8
$ 22	Decachlorobiphenyl	12.069	12.078	-0.009	539959777	132.836	22

QC Flag Legend

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

001162

035250


Data File: /var/chem/gcsv18a.i/2061216.b/sv18a031.d
Date : 18-DEC-2006 11:06
Client ID:
Sample Info: 20612072812M1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
-Tetrachloro-m-xylene (4.115)
-4,4'-DDT (9.454)
Decachlorobiphenyl (12.069)
/var/chem/gcsv18a.i/2061216.b/sv18a031.d
Min

001163

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED3-003 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072813

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1100

% Moisture: 59.0 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1224

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a045

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.049	U	0.00652	0.049
11104-28-2	Aroclor-1221	0.049	U	0.011	0.049
11141-16-5	Aroclor-1232	0.049	U	0.012	0.049
53469-21-9	Aroclor-1242	0.049	U	0.014	0.049
12672-29-6	Aroclor-1248	0.049	U	0.00949	0.049
11097-69-1	Aroclor-1254	0.049	U	0.00788	0.049
11096-82-5	Aroclor-1260	0.049	U	0.00658	0.049

031164

035252

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a045.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a045.d
Lab Smp Id: 20612072813
Inj Date : 05-JAN-2007 12:24
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072813*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 45
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

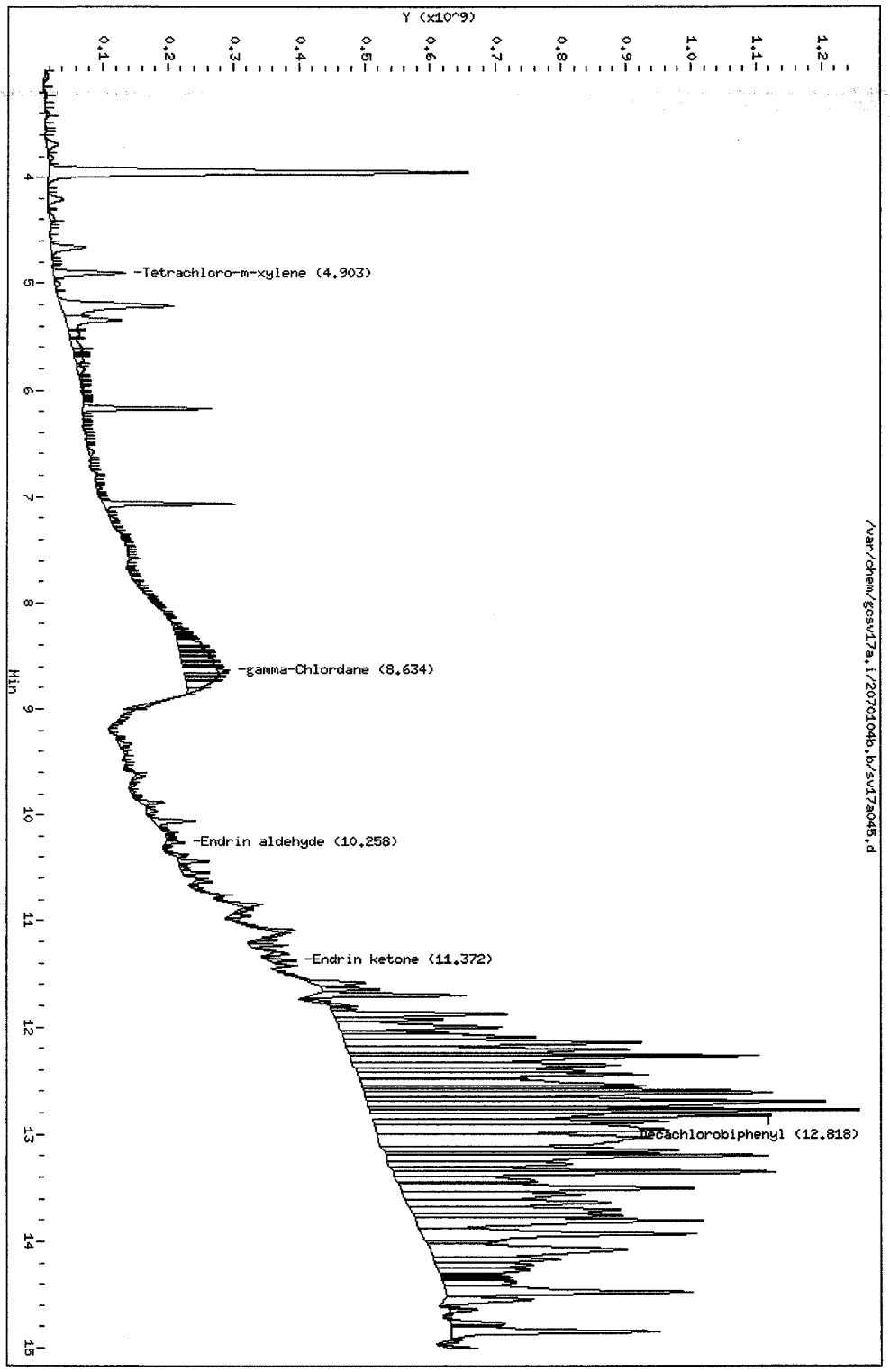
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.903	4.903	0.000	266121708	54.4507	9.0
10 gamma-Chlordane	8.634	8.634	0.000	25718723	5.27213	0.88(M2)
18 Endrin aldehyde	10.258	10.281	-0.023	45026889	13.9182	2.3
21 Endrin ketone	11.372	11.360	0.012	62595601	15.2668	2.5
$ 22 Decachlorobiphenyl	12.818	12.824	-0.006	477805374	131.689	22(M2)

QC Flag Legend

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

001165

035253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Date : 05-JAN-2007 12:24
Client ID:
Sample Info: 20612072813m1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32
Y (x10^9)
0.1
0.2
0.3
0.4
0.5
0.6
0.7
0.8
0.9
1.0
1.1
1.2
Min
4
5
6
7
8
9
10
11
12
13
14
15
-Tetrachloro-m-xylene (4.903)
-gamma-Chlordane (8.634)
-Endrin aldehyde (10.258)
-Endrin ketone (11.372)
Decachlorobiphenyl (12.818)
/var/chem/gcsv17a.i/20701104b.b/sv17a045.d

001166

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED3-003 (0-0.5)D

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072814

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1100

% Moisture: 56.3 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1245

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a046

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.046	U	0.00613	0.046
11104-28-2	Aroclor-1221	0.046	U	0.010	0.046
11141-16-5	Aroclor-1232	0.046	U	0.011	0.046
53469-21-9	Aroclor-1242	0.046	U	0.013	0.046
12672-29-6	Aroclor-1248	0.046	U	0.00891	0.046
11097-69-1	Aroclor-1254	0.046	U	0.00741	0.046
11096-82-5	Aroclor-1260	0.046	U	0.00619	0.046

001167

035255

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a046.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a046.d
Lab Smp Id: 20612072814
Inj Date : 05-JAN-2007 12:45
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072814*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 46
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

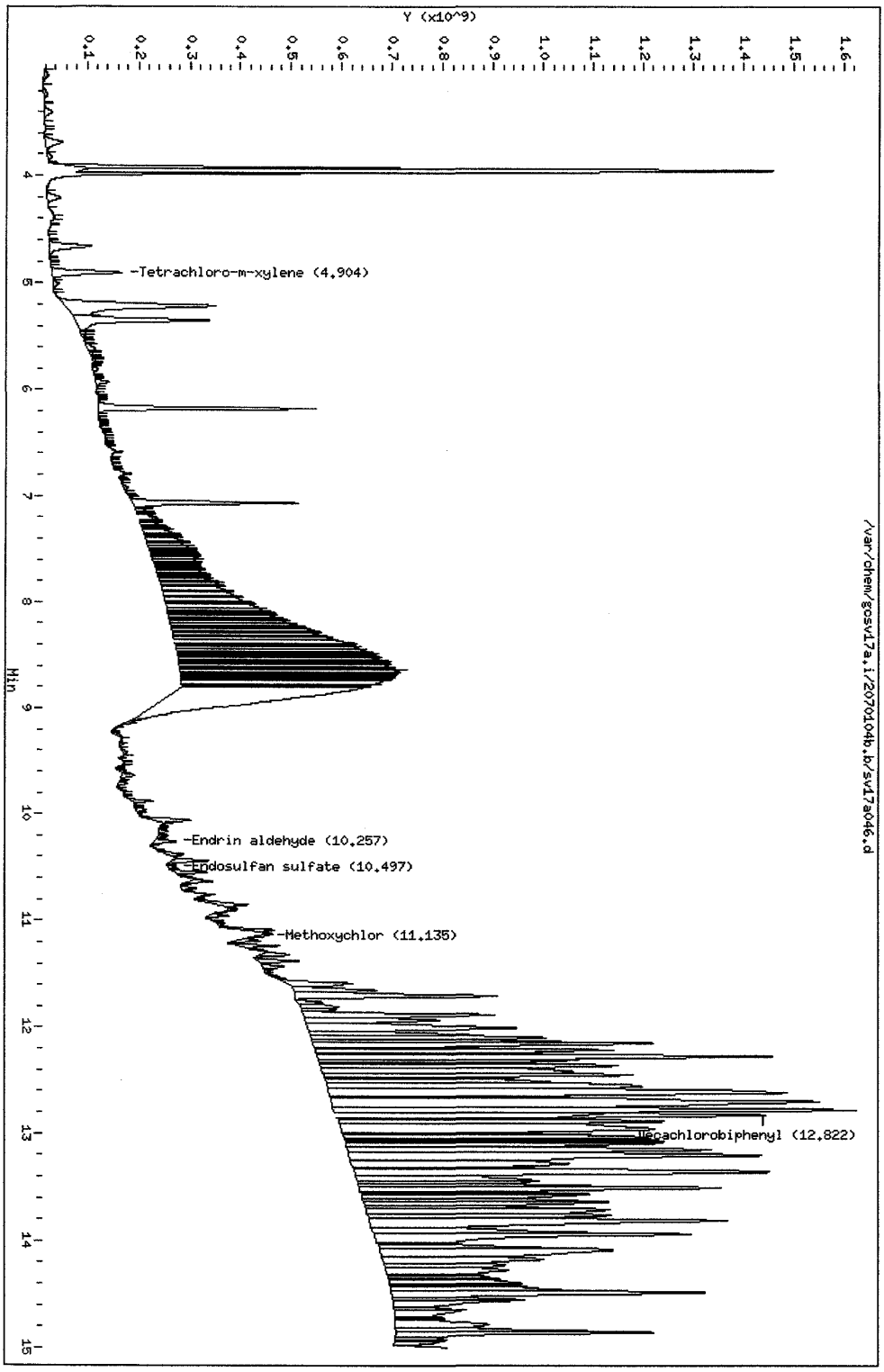
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.904	4.903	0.001	338034751	69.1647	11
18 Endrin aldehyde	10.257	10.281	-0.024	70676020	21.8466	3.6
19 Methoxychlor	11.135	11.112	0.023	25763756	14.7832	2.5
20 Endosulfan sulfate	10.497	10.479	0.018	16453501	4.87178	0.81
$ 22 Decachlorobiphenyl	12.822	12.824	-0.002	7812543767	2153.24	360(AM2)

QC Flag Legend

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

035256


Data File: /var/chem/gcsv17a.i/20070104b.b/sv17a046.d
Date : 05-JAN-2007 12:45
Client ID:
Sample Info: 20612072814x1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32
/var/chem/gcsv17a.i/20070104b.b/sv17a046.d
Y (x10^9)
Min
-Tetrachloro-m-xylene (4.904)
-Endrin aldehyde (10.257)
-Endosulfan sulfate (10.497)
-Methoxychlor (11.135)
Decachlorobiphenyl (12.822)

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 2WSED4-004 (0-0.5)

Lab Code: LA024 Case No.:
Contract:

Matrix: Soil
SAS No.: SDG No.: 206120728

Sample wt/vol: 30.3 Units: g
Lab Sample ID: 20612072815

Level: (low/med) LOW
Date Collected: 12/06/06 Time: 1130

% Moisture: 53.6 decanted: (Y/N)
Date Received: 12/07/06

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 01/05/07 Time: 1306

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: 340220 Analytical Batch: 340230
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg*
Lab File ID: 2070104b/sv17a047

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.043	U	0.00573	0.043
11104-28-2	Aroclor-1221	0.043	U	0.00978	0.043
11141-16-5	Aroclor-1232	0.043	U	0.011	0.043
53469-21-9	Aroclor-1242	0.043	U	0.013	0.043
12672-29-6	Aroclor-1248	0.043	U	0.00833	0.043
11097-69-1	Aroclor-1254	0.043	U	0.00692	0.043
11096-82-5	Aroclor-1260	0.043	U	0.00578	0.043

001170

035258

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a047.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a047.d
Lab Smp Id: 20612072815
Inj Date : 05-JAN-2007 13:06
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072815*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 47
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

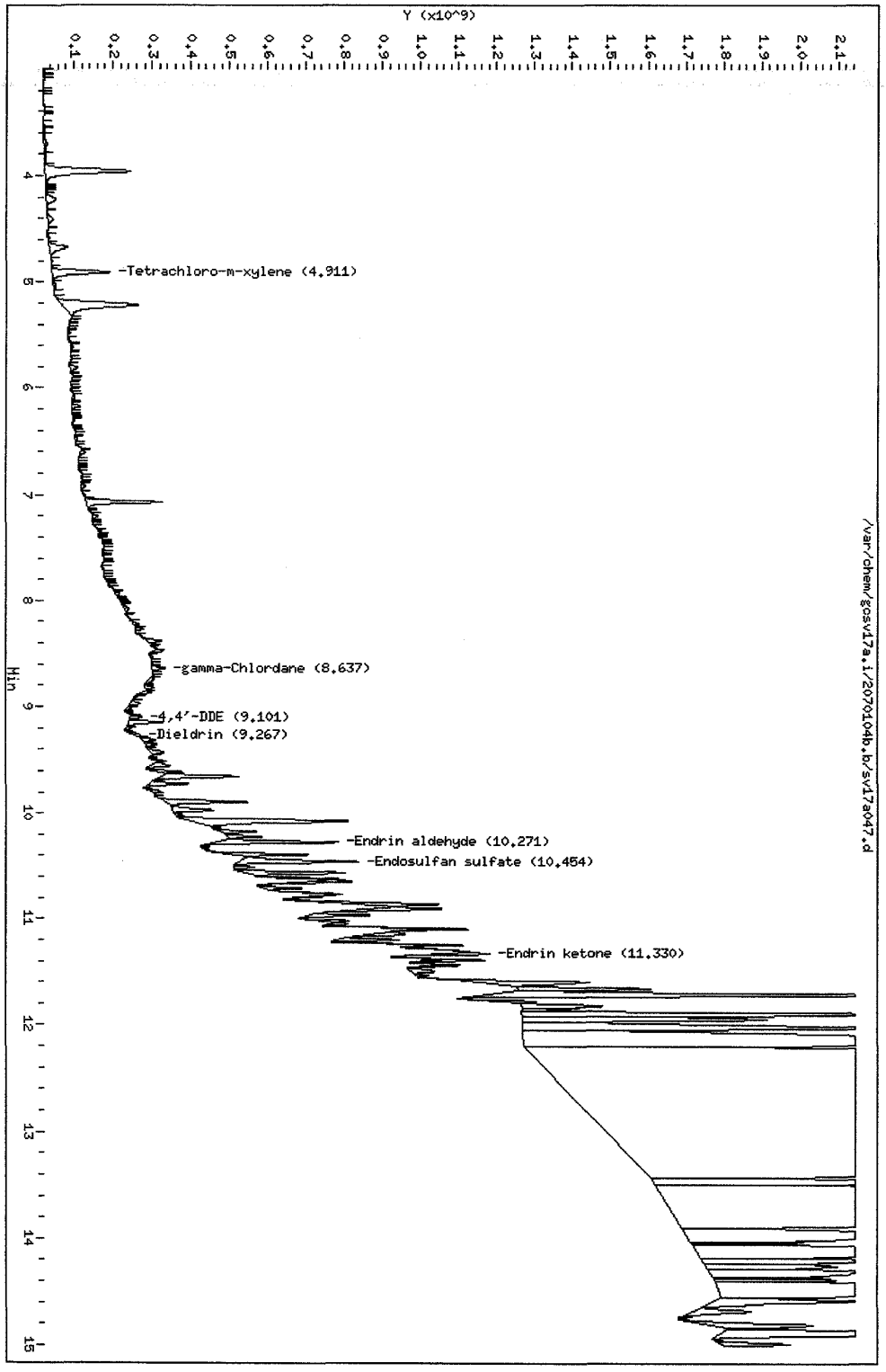
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

						CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
Compounds		RT	EXP RT	DLT RT	RESPONSE		
$	1 Tetrachloro-m-xylene	4.911	4.903	0.008	372563977	76.2297	13
	10 gamma-Chlordane	8.637	8.634	0.003	49314300	10.1090	1.7
	12 4,4'-DDE	9.101	9.100	0.001	35137769	7.20281	1.2
	13 Dieldrin	9.267	9.246	0.021	29503450	5.93600	0.98
	18 Endrin aldehyde	10.271	10.281	-0.010	508857371	157.293	26
	20 Endosulfan sulfate	10.454	10.479	-0.025	572659361	169.561	28
	21 Endrin ketone	11.330	11.360	-0.030	153089965	37.3381	6.2

001171

035259



001172

035260

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL
Sample ID: 2WSED15-015 (0-0.5)

Lab Code: LA024 Case No.:
Contract:

Matrix: Soil
SAS No.: SDG No.: 206120728

Sample wt/vol: 30 Units: g
Lab Sample ID: 20612072816

Level: (low/med) LOW
Date Collected: 12/06/06 Time: 1135

% Moisture: 65.7 decanted: (Y/N)
Date Received: 12/07/06

GC Column: RTX-35MS-3 ID: .25 (mm)
Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL)
Date Analyzed: 01/05/07 Time: 1327

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: 340220 Analytical Batch: 340230
Sulfur Cleanup: (Y/N) N Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg*
Lab File ID: 2070104b/sv17a048

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.058	U	0.00782	0.058
11104-28-2	Aroclor-1221	0.058	U	0.013	0.058
11141-16-5	Aroclor-1232	0.058	U	0.015	0.058
53469-21-9	Aroclor-1242	0.058	U	0.017	0.058
12672-29-6	Aroclor-1248	0.058	U	0.011	0.058
11097-69-1	Aroclor-1254	0.058	U	0.00945	0.058
11096-82-5	Aroclor-1260	0.058	U	0.00789	0.058

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a048.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a048.d
Lab Smp Id: 20612072816
Inj Date : 05-JAN-2007 13:27
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072816*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 48
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.905	4.903	0.002	263710943	53.9574	9.0
$ 22 Decachlorobiphenyl	12.811	12.824	-0.013	356250730	98.1874	16(M1)

QC Flag Legend

M1- Compound response manually integrated because
Target system did not integrate.

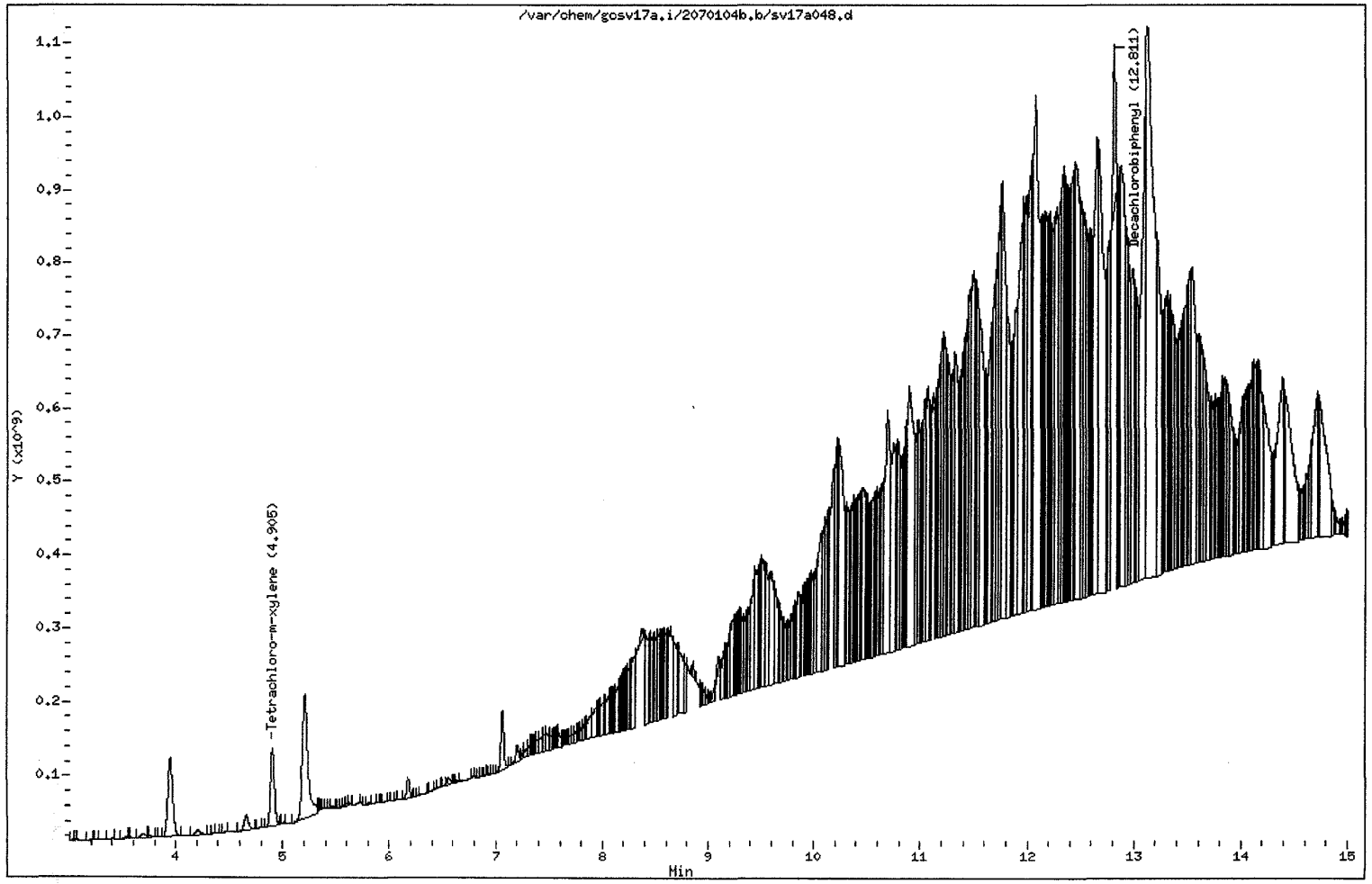
001174

035262

001175

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a048.d
Date : 05-JAN-2007 13:27
Client ID:
Sample Info: 20612072816x1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



035263

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED7-007 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.3 | Units: g | Lab Sample ID: 20612072817

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0900

% Moisture: 35.3 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/19/06 | Time: 1049

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a051

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.031	U	0.00411	0.031
11104-28-2	Aroclor-1221	0.031	U	0.00702	0.031
11141-16-5	Aroclor-1232	0.031	U	0.00769	0.031
53469-21-9	Aroclor-1242	0.031	U	0.00898	0.031
12672-29-6	Aroclor-1248	0.031	U	0.00598	0.031
11097-69-1	Aroclor-1254	0.031	U	0.00497	0.031
11096-82-5	Aroclor-1260	0.031	U	0.00415	0.031

001176

035264

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a051.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a051.d
Lab Smp Id: 20612072817
Inj Date : 19-DEC-2006 10:49
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072817*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 51
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	30.30000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.132	4.116	0.016	602130324	112.156	19(A)
10 gamma-Chlordane	7.881	7.889	-0.008	36765373	7.01051	1.2(M2)
17 4,4'-DDT	9.459	9.441	0.018	17504792	4.45633	0.74
$ 22 Decachlorobiphenyl	12.075	12.078	-0.003	547557657	134.705	22

QC Flag Legend

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

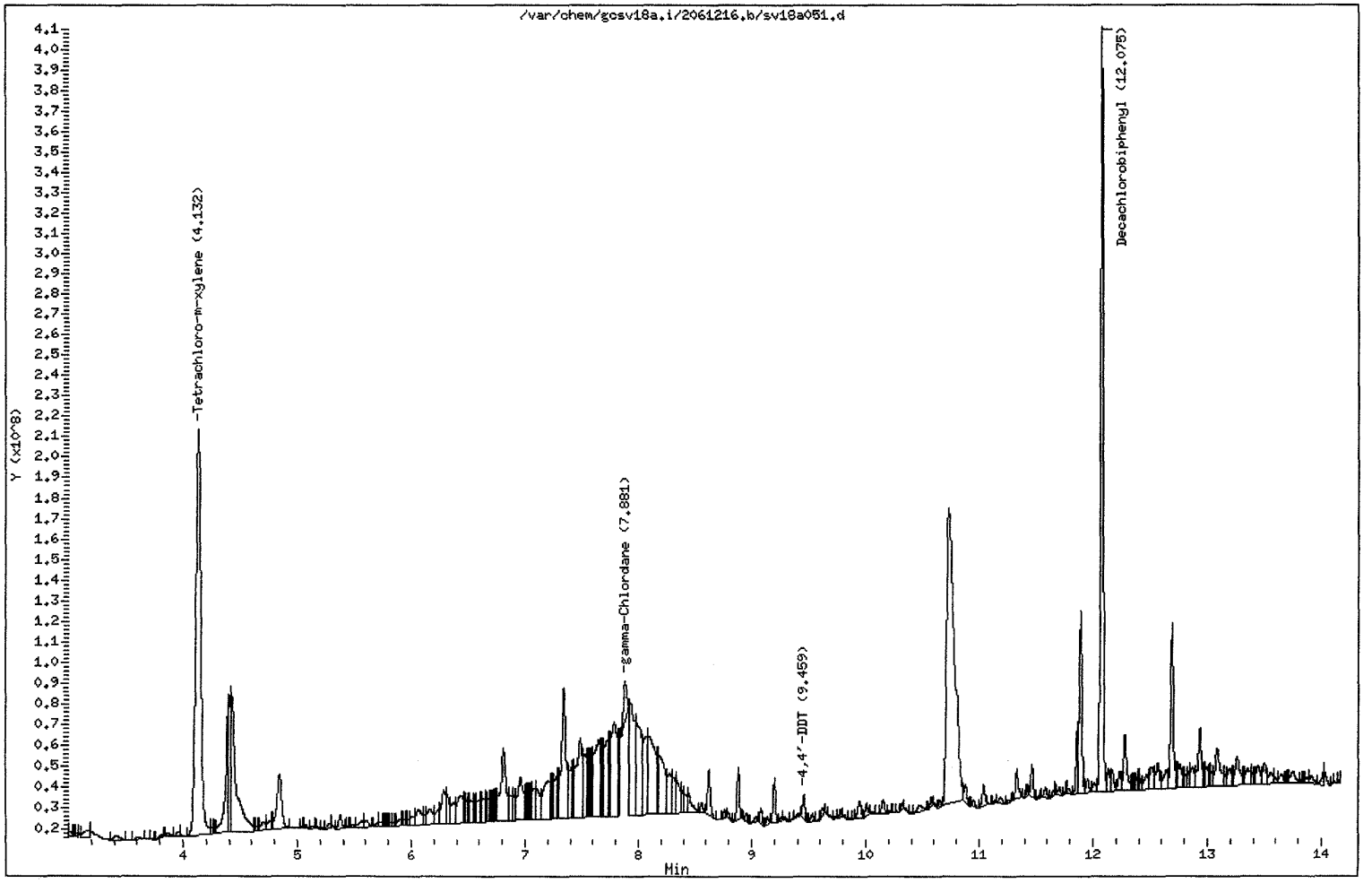
001177

035265

001178

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a051.d
Date : 19-DEC-2006 10:49
Client ID:
Sample Info: 20612072817M1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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



035266

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED13-013 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072818

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0905

% Moisture: 17.1 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/19/06 | Time: 1107

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a052

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.024	U	0.00323	0.024
11104-28-2	Aroclor-1221	0.024	U	0.00551	0.024
11141-16-5	Aroclor-1232	0.024	U	0.00604	0.024
53469-21-9	Aroclor-1242	0.024	U	0.00705	0.024
12672-29-6	Aroclor-1248	0.024	U	0.00470	0.024
11097-69-1	Aroclor-1254	0.024	U	0.00390	0.024
11096-82-5	Aroclor-1260	0.024	U	0.00326	0.024

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a052.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a052.d
Lab Smp Id: 20612072818
Inj Date : 19-DEC-2006 11:07
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072818*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 52
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.110	4.116	-0.006	562269932	104.732	17(A)
$ 22 Decachlorobiphenyl	12.070	12.078	-0.008	506859396	124.693	21

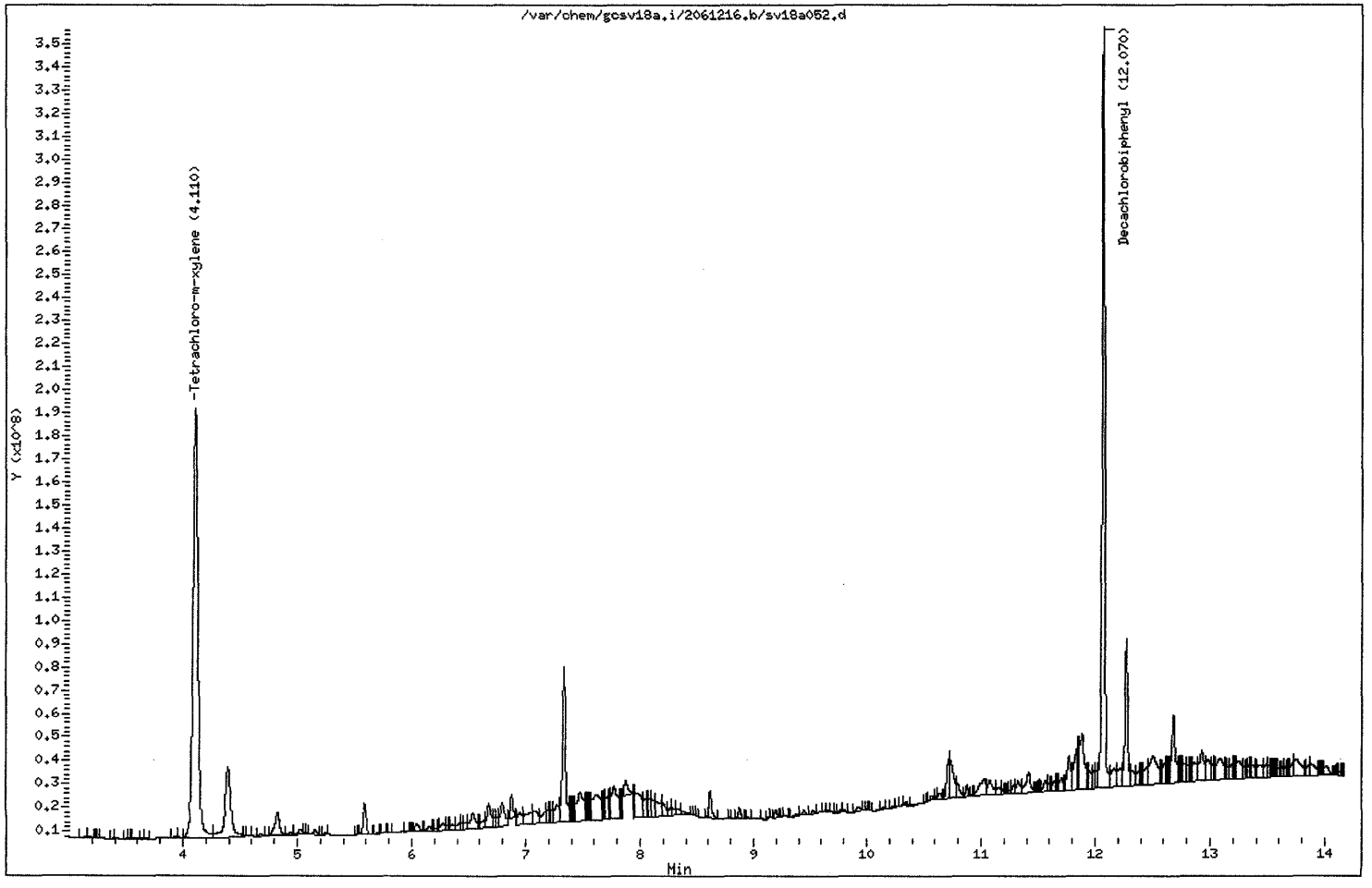
QC Flag Legend

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

035268

001181

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a052.d
Date : 19-DEC-2006 11:07
Client ID:
Instrument: gcsv18a.i
Sample Info: 20612072818x1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



035269

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED14-014 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.5 | Units: g | Lab Sample ID: 20612072819

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 0910

% Moisture: 19.0 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/19/06 | Time: 1126

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a053

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.024	U	0.00326	0.024
11104-28-2	Aroclor-1221	0.024	U	0.00557	0.024
11141-16-5	Aroclor-1232	0.024	U	0.00610	0.024
53469-21-9	Aroclor-1242	0.024	U	0.00712	0.024
12672-29-6	Aroclor-1248	0.024	U	0.00474	0.024
11097-69-1	Aroclor-1254	0.024	U	0.00394	0.024
11096-82-5	Aroclor-1260	0.024	U	0.00329	0.024

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a053.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a053.d
Lab Smp Id: 20612072819
Inj Date : 19-DEC-2006 11:26
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072819*1
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 53
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	30.50000	Weight of sample extracted (g)
M	0.00000	% Moisture

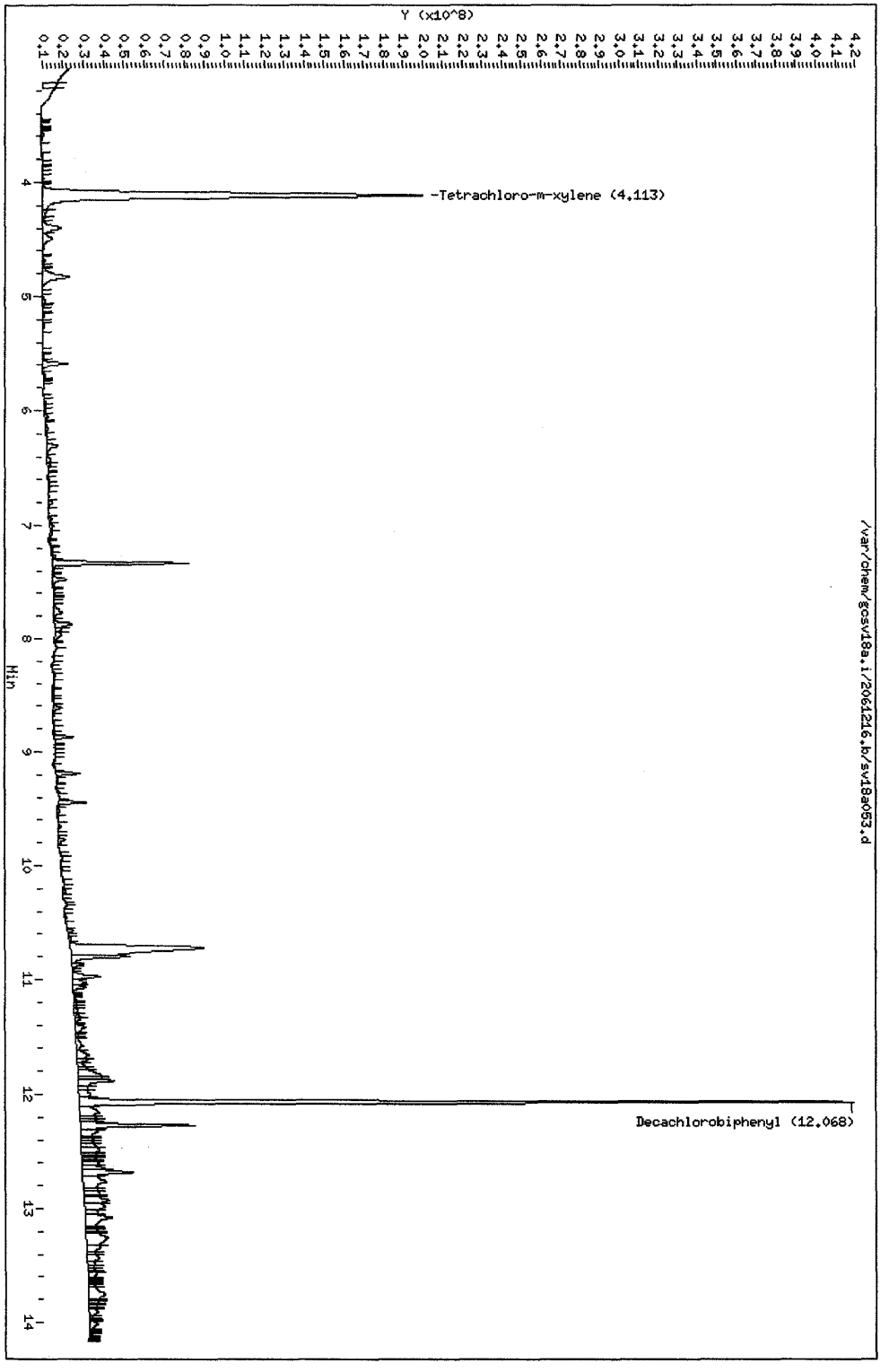
Cpnd Variable Local Compound Variable

					CONCENTRATIONS	
					ON-COLUMN	FINAL
Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$ 1 Tetrachloro-m-xylene	4.113	4.116	-0.003	601381547	112.017	18(A)
$ 22 Decachlorobiphenyl	12.068	12.078	-0.010	580576018	142.828	23

QC Flag Legend

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

035271


Data File: /var/chem/gcsv18a.i/20061216.b/sv18a053.d
Date : 19-DEC-2006 11:26
Client ID:
Sample Info: 20612072819*1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
-Tetrachloro-m-xylene (4.113)
Decachlorobiphenyl (12.068)
/var/chem/gcsv18a.i/20061216.b/sv18a053.d
Min

035272

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED17-017 (0-0.5)

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.1 | Units: g | Lab Sample ID: 20612072820

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1130

% Moisture: 47.1 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1348

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a049

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.037	J	0.00506	0.038
11104-28-2	Aroclor-1221	0.038	U	0.00864	0.038
11141-16-5	Aroclor-1232	0.038	U	0.00946	0.038
53469-21-9	Aroclor-1242	0.038	U	0.011	0.038
12672-29-6	Aroclor-1248	0.038	U	0.00735	0.038
11097-69-1	Aroclor-1254	0.038	U	0.00611	0.038
11096-82-5	Aroclor-1260	0.038	U	0.00510	0.038

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a049.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a049.d
Lab Smp Id: 20612072820
Inj Date : 05-JAN-2007 13:48
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612072820*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.902	4.903	-0.001	291293217	59.6010	9.9
$	22 Decachlorobiphenyl	12.809	12.824	-0.015	257999927	71.1082	12(M1)
M	23 AR 1016-AVG				104724384	118.632	20
	24 AR 1016-PEAK1	5.902	5.905	-0.003	6069481	62.0887	10
	25 AR 1016-PEAK2	6.552	6.553	-0.001	36551405	166.410	28
	26 AR 1016-PEAK3	7.131	7.134	-0.003	40756311	97.3509	16
	27 AR 1016-PEAK4	7.984	7.988	-0.004	21347187	145.506	24

QC Flag Legend

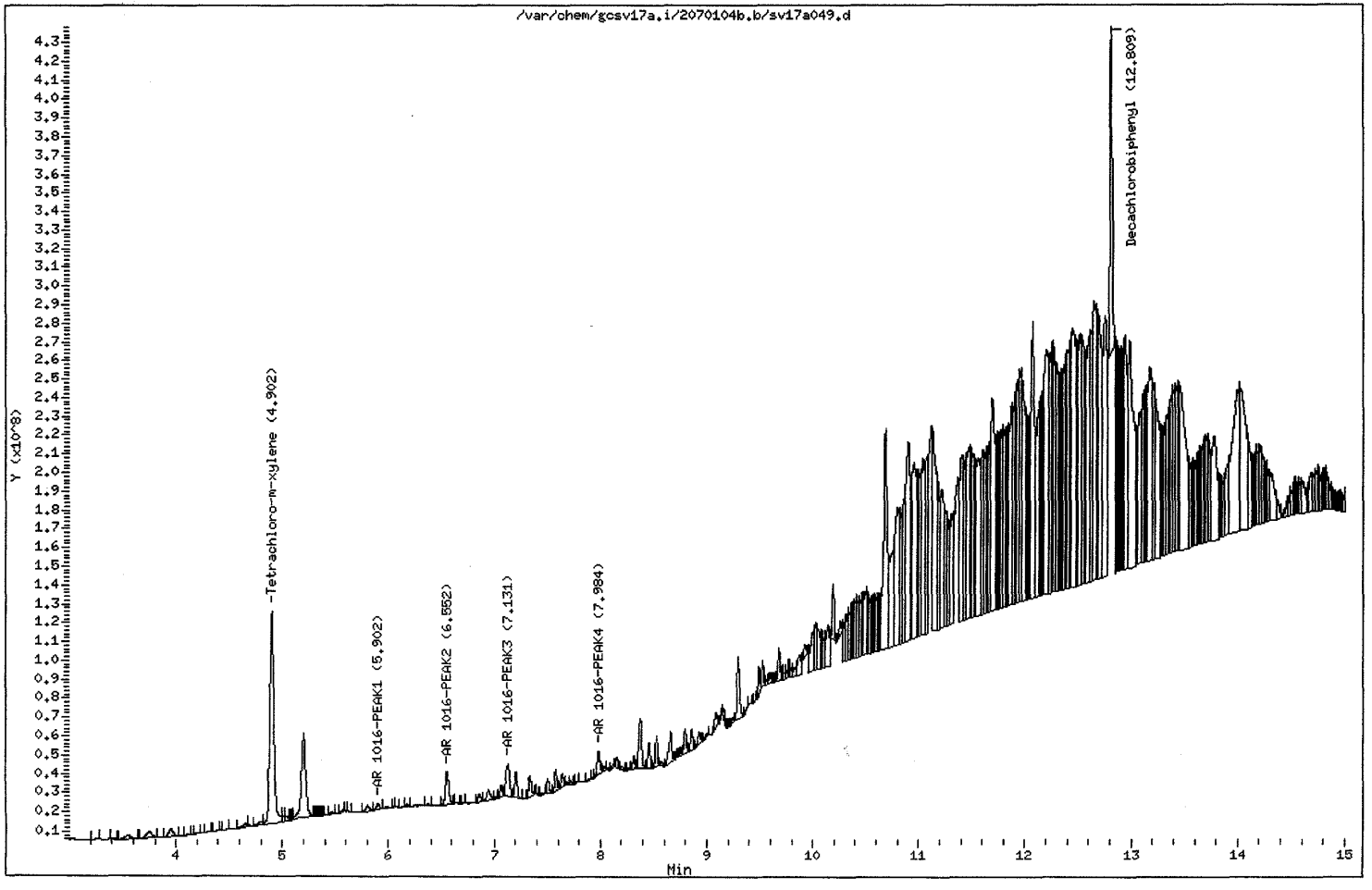
M1- Compound response manually integrated because
Target system did not integrate.

001186

035274

001187

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a049.d
Date : 05-JAN-2007 13:48
Client ID:
Instrument: gcsv17a.i
Sample Info: 20612072820x1
Volume Injected (uL): 1.0
Operator: tls
Column phase: RTX-35MS-30M
Column diameter: 0.32



035275

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b049.d
Report Date: 08-Jan-2007 08:42

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b049.d
Lab Smp Id: 20612072820
Inj Date : 05-JAN-2007 14:09
Operator : tls Inst ID: gcsv17b.i
Smp Info : 20612072820*1
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 08:20 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 49
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

						CONCENTRATIONS	
						ON-COLUMN	FINAL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/KG)
$	1 Tetrachloro-m-xylene	5.096	5.099	-0.003	264239153	54.1461	9.0
$	22 Decachlorobiphenyl	12.641	12.649	-0.008	591793660	164.985	27
M	23 AR 1016-AVG				34132160	76.8784	13
	25 AR 1016-PEAK2	6.280	6.289	-0.009	7237840	57.3667	9.5
	26 AR 1016-PEAK3	7.545	7.543	0.002	11818556	105.474	18
	27 AR 1016-PEAK4	7.743	7.748	-0.005	15075764	134.835	22

001188

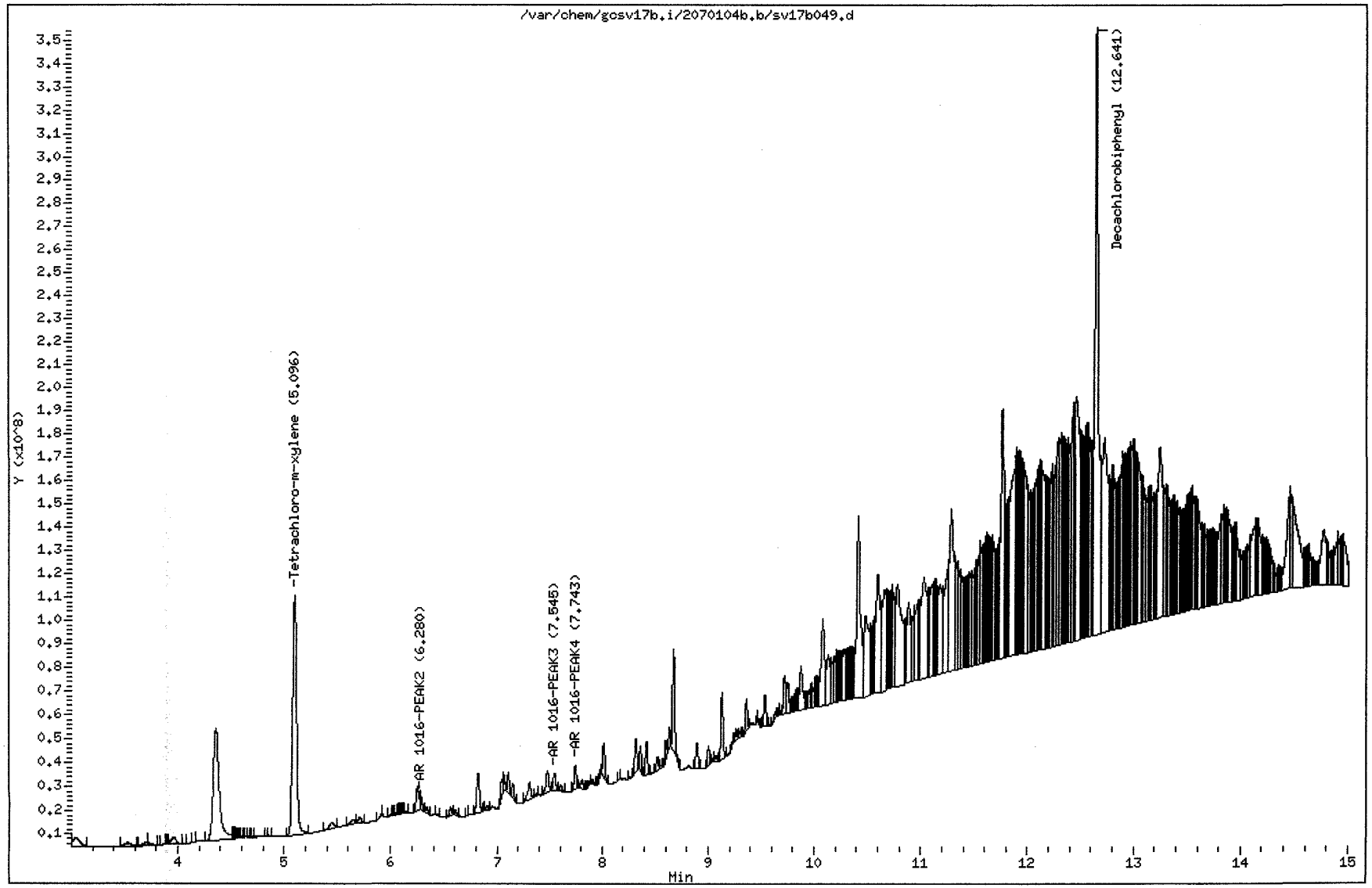
035276

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b049.d
Date : 05-JAN-2007 14:09
Client ID:
Sample Info: 20612072820x1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

001189



035277

Report Date : 10-Jan-2007 13:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

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

001190

035278

Report Date : 10-Jan-2007 13:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

001191

035279

Report Date : 10-Jan-2007 13:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

001192

035280

Report Date : 10-Jan-2007 13:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

001193

035281

Report Date : 10-Jan-2007 13:42

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 11-DEC-2006 19:00
End Cal Date : 12-DEC-2006 05:35
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Cal Date : 19-Dec-2006 15:11 tls
Curve Type : Average

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

001194

035282

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a012.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a012.d
Lab Smp Id: 1203
Inj Date : 11-DEC-2006 22:06
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-36-3
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:18 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:36 Cal File: sv18a020.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1221.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

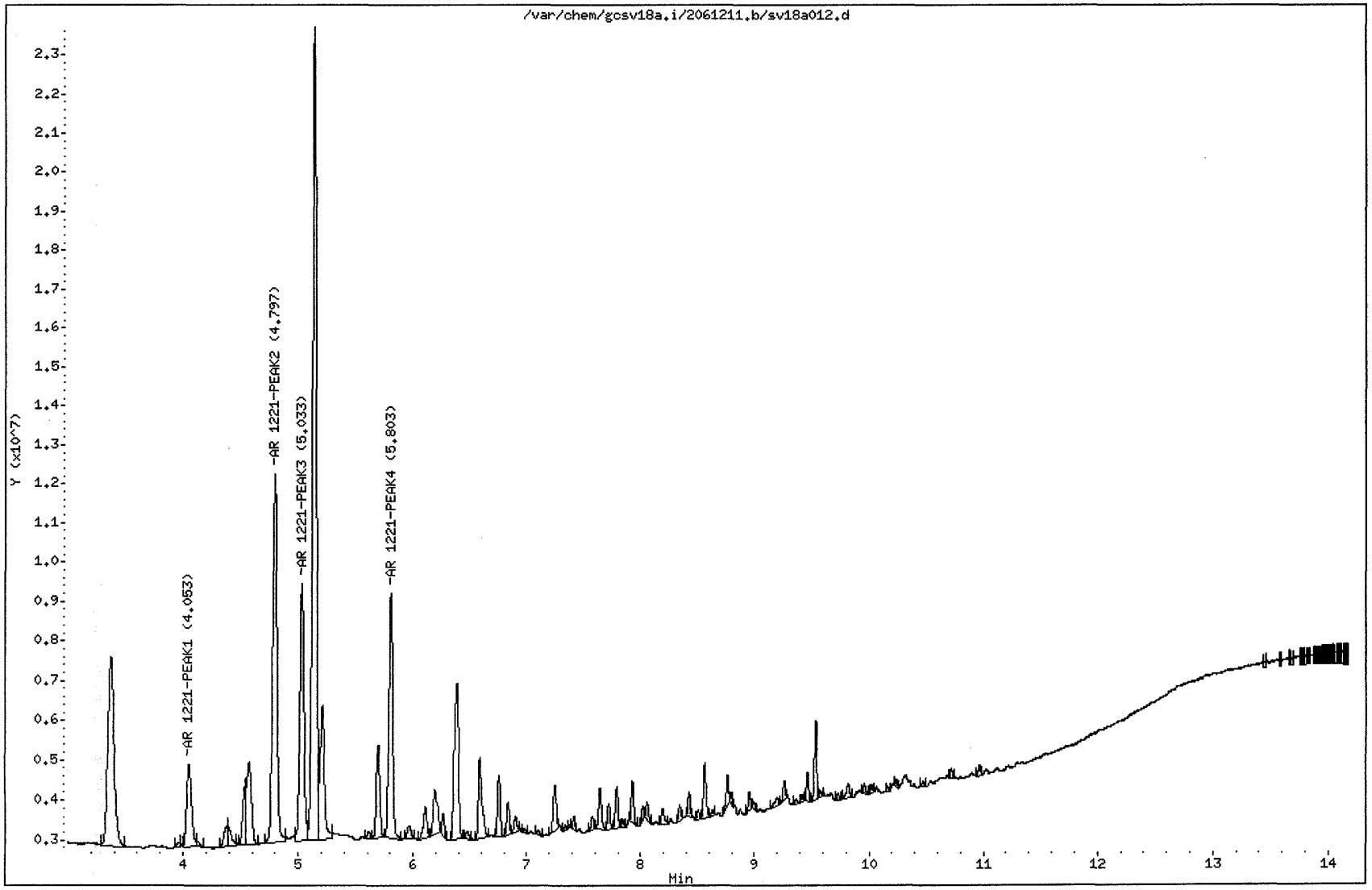
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	37 AR 1221-AVG				59690561	400.000	400
	38 AR 1221-PEAK1	4.053	4.053	0.000	6140797	400.000	400
	39 AR 1221-PEAK2	4.797	4.797	0.000	23973747	400.000	400
	40 AR 1221-PEAK3	5.033	5.033	0.000	15764933	400.000	400
	41 AR 1221-PEAK4	5.803	5.803	0.000	13811084	400.000	400

035283

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a012.d
Date : 11-DEC-2006 22:06
Client ID:
Sample Info: 1203x1 65-36-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001196



035284

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a013.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a013.d
Lab Smp Id: 1203
Inj Date : 11-DEC-2006 22:25
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-36-4
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:36 Cal File: sv18a020.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1232.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

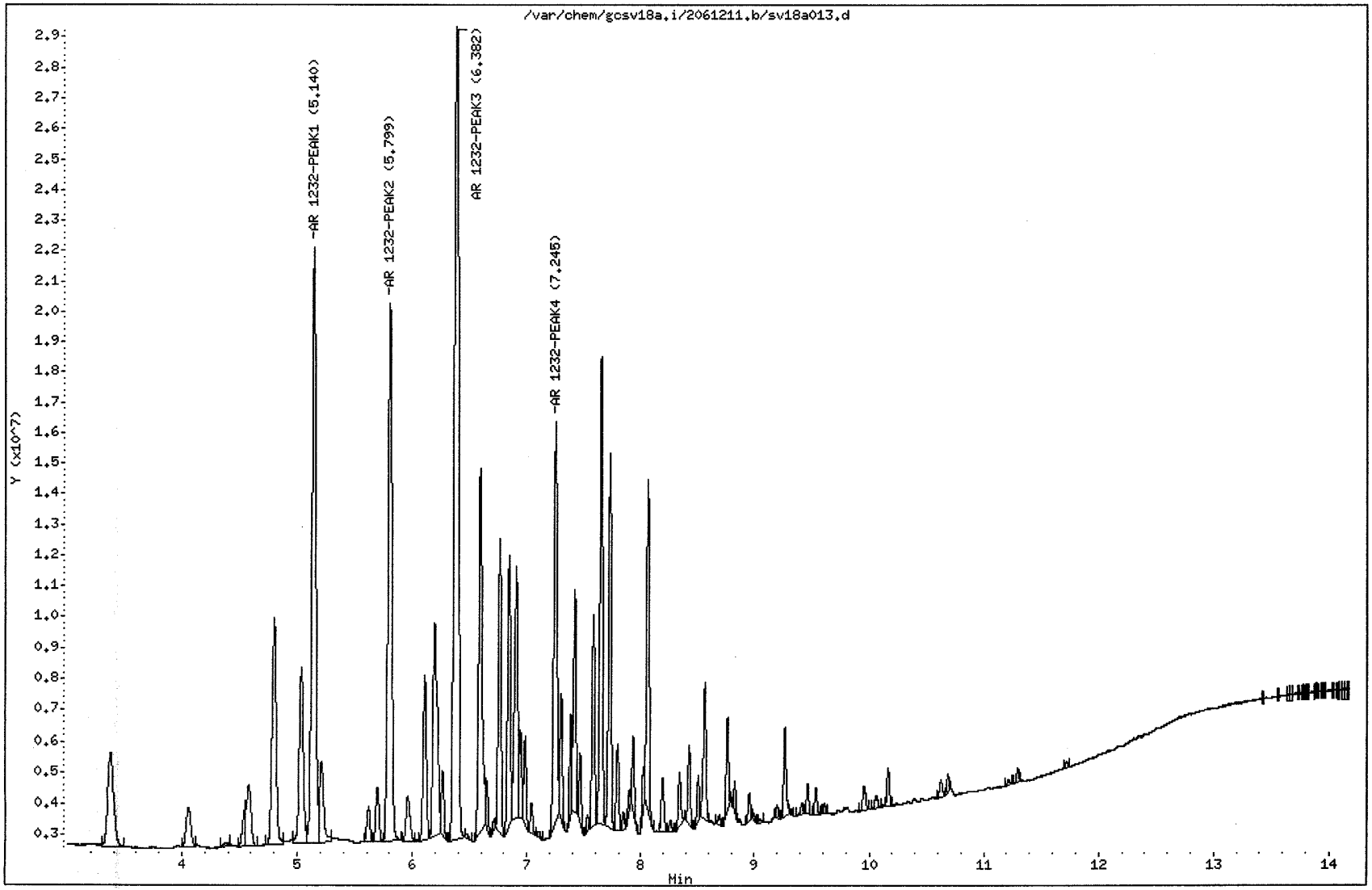
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 42 AR 1232-AVG				181269559	400.000	400
43 AR 1232-PEAK1	5.140	5.140	0.000	44804626	400.000	400
44 AR 1232-PEAK2	5.799	5.799	0.000	40838069	400.000	400
45 AR 1232-PEAK3	6.382	6.382	0.000	70655028	400.000	400
46 AR 1232-PEAK4	7.245	7.245	0.000	24971836	400.000	400

035285

001198

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a013.d
Date : 11-DEC-2006 22:25
Client ID:
Sample Info: 1203x1 65-36-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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



035286

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a014.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a014.d
Lab Smp Id: 1203
Inj Date : 11-DEC-2006 22:44
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-36-5
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:36 Cal File: sv18a020.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1242.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

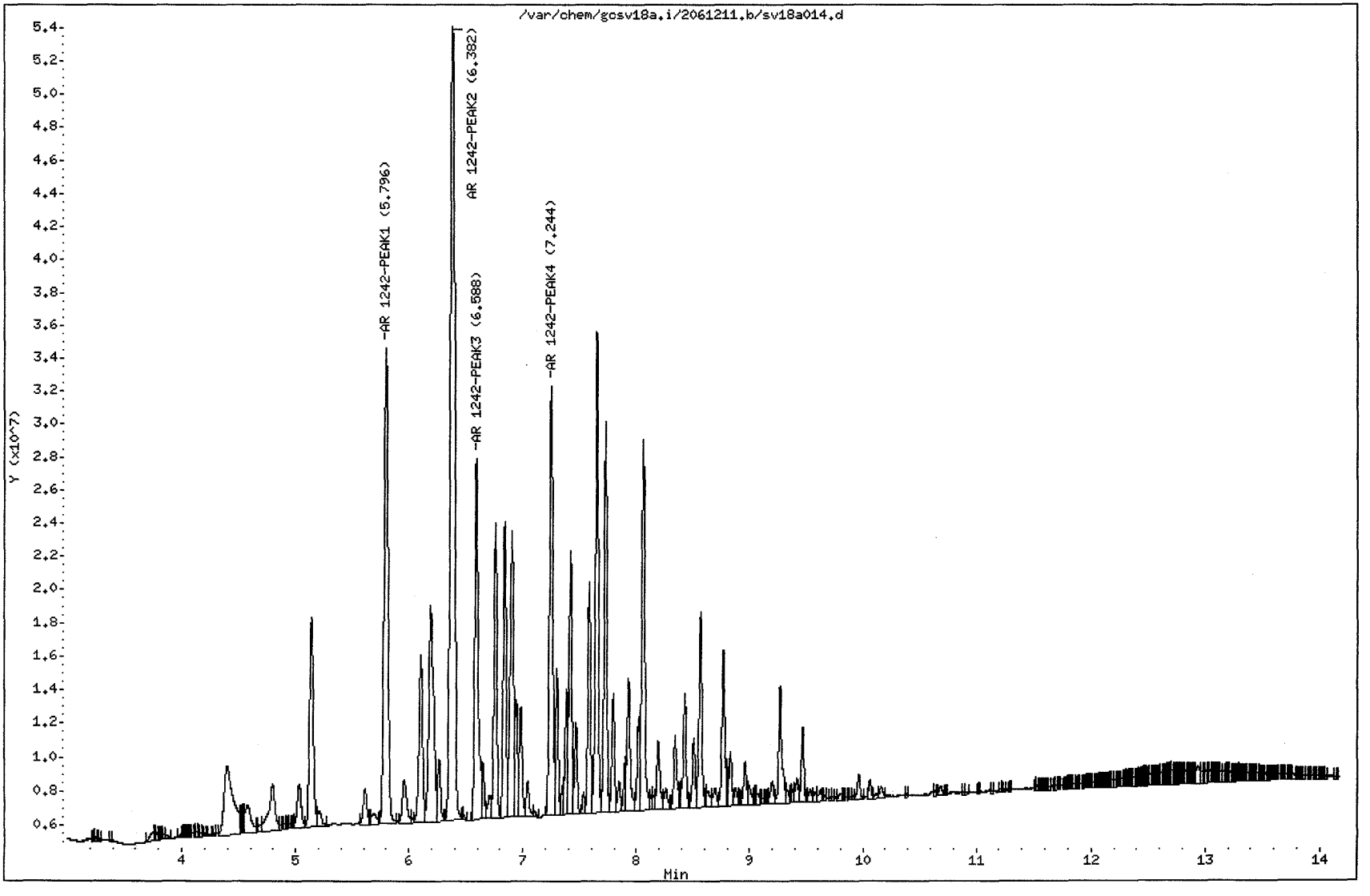
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 47 AR 1242-AVG				287893277	400.000	400
48 AR 1242-PEAK1	5.796	5.796	0.000	66722332	400.000	400
49 AR 1242-PEAK2	6.382	6.382	0.000	128221359	400.000	400
50 AR 1242-PEAK3	6.588	6.588	0.000	43060685	400.000	400
51 AR 1242-PEAK4	7.244	7.244	0.000	49888901	400.000	400

035287

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a014.d
Date : 11-DEC-2006 22:44
Client ID:
Sample Info: 1203x1 65-36-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001200



Data File: /var/chem/gcsv18a.i/2061211.b/sv18a015.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a015.d
Lab Smp Id: 1203
Inj Date : 11-DEC-2006 23:02
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-36-1
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:36 Cal File: sv18a020.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1248.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 52 AR 1248-AVG				284503297	400.000	400
53 AR 1248-PEAK1	7.243	7.243	0.000	69743089	400.000	400
54 AR 1248-PEAK2	7.647	7.647	0.000	87048108	400.000	400
55 AR 1248-PEAK3	7.722	7.722	0.000	64778555	400.000	400
56 AR 1248-PEAK4	8.057	8.057	0.000	62933545	400.000	400

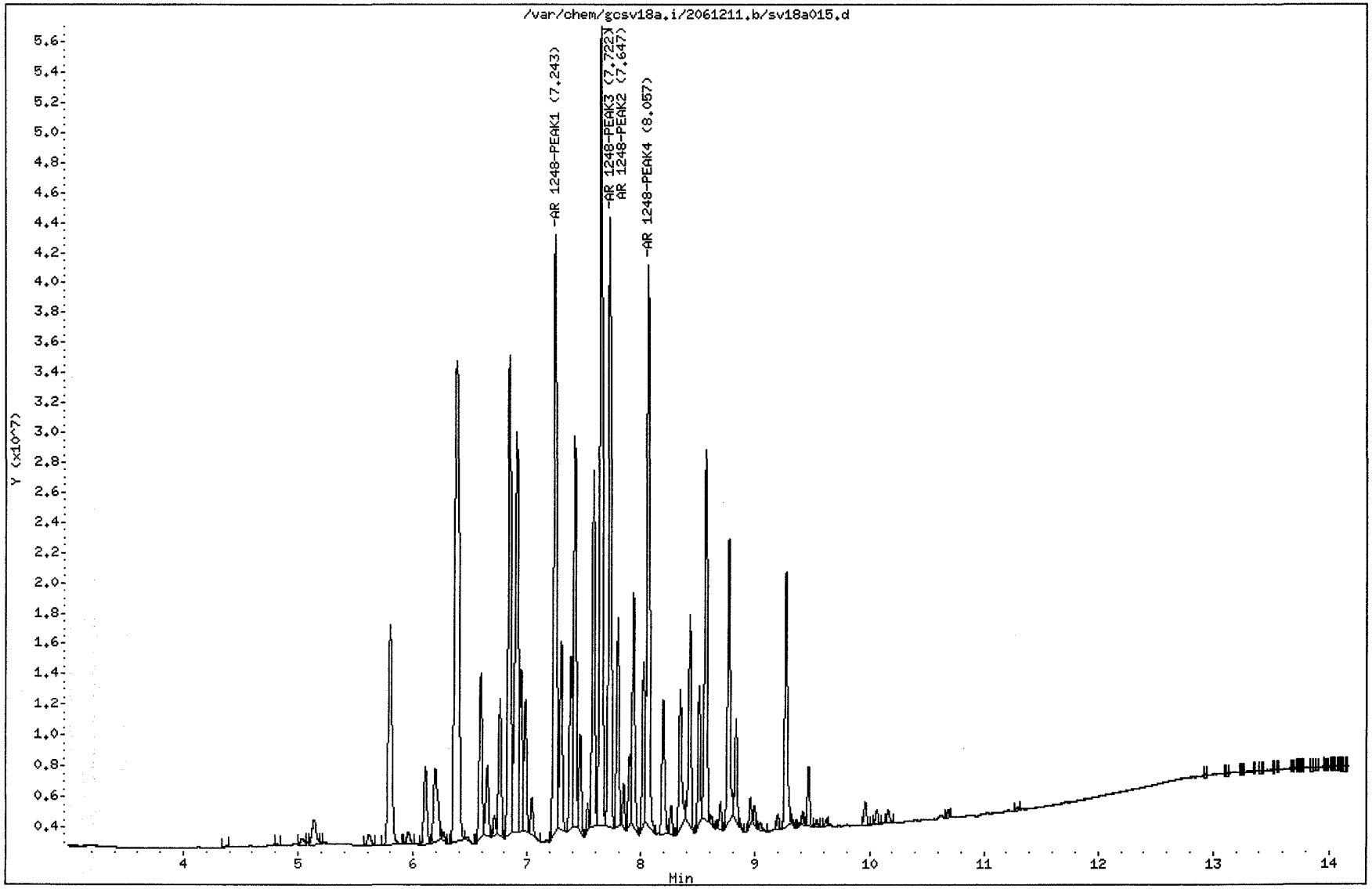
001201

035289

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a015.d
Date : 11-DEC-2006 23:02
Client ID:
Sample Info: 1203*1 65-36-1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001202



035290

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a016.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a016.d
Lab Smp Id: 1203
Inj Date : 11-DEC-2006 23:21
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 65-36-2
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:36 Cal File: sv18a020.d
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1254.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	57 AR 1254-AVG				238793617	400.000	400
	58 AR 1254-PEAK1	8.018	8.018	0.000	32074899	400.000	400
	59 AR 1254-PEAK2	8.340	8.340	0.000	30072813	400.000	400
	60 AR 1254-PEAK3	8.426	8.426	0.000	58068622	400.000	400
	61 AR 1254-PEAK4	8.564	8.564	0.000	118577283	400.000	400

001203

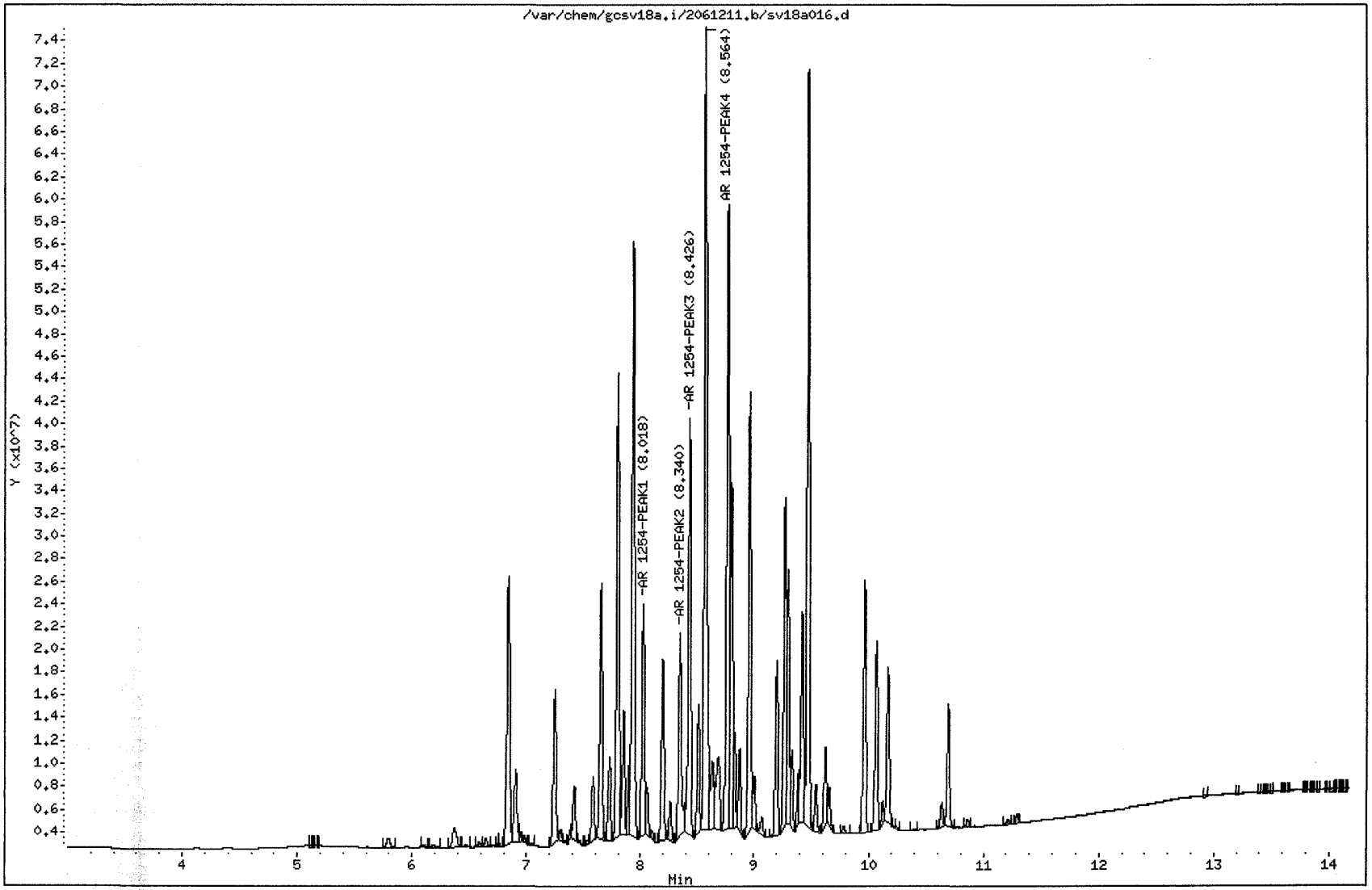
035291

001204

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a016.d
Date : 11-DEC-2006 23:21
Client ID:
Sample Info: 1203x1 65-36-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



035292

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a017.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a017.d
Lab Smp Id: 1206
Inj Date : 11-DEC-2006 23:40
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1206*1 50
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 11-DEC-2006 23:40 Cal File: sv18a017.d
Als bottle: 17 Calibration Sample, Level: 6
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

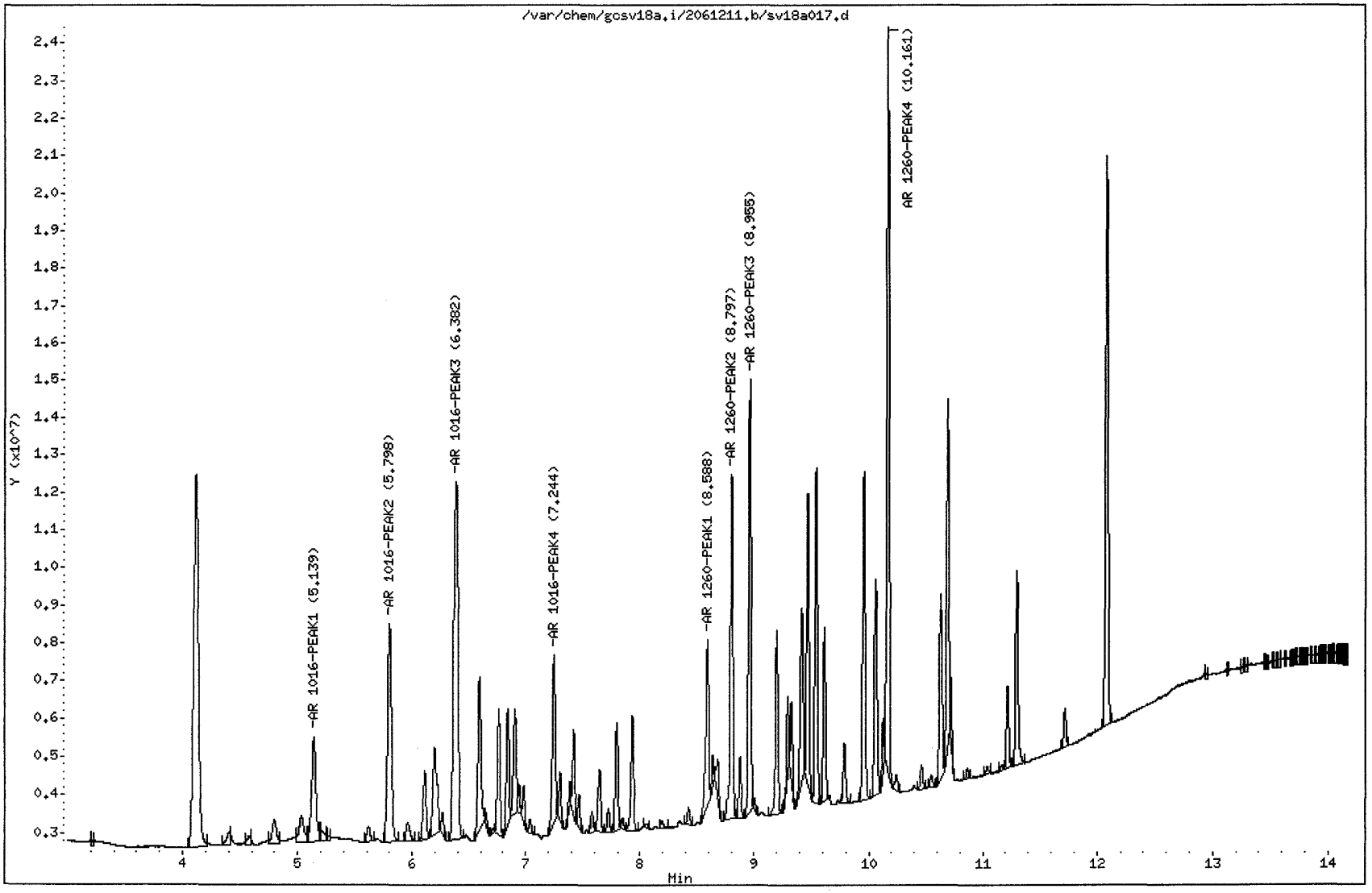
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				52903723	50.0000	56
	24 AR 1016-PEAK1	5.139	5.139	0.000	6873924	50.0000	63
	25 AR 1016-PEAK2	5.798	5.798	0.000	13225432	50.0000	57
	26 AR 1016-PEAK3	6.382	6.381	0.001	25116484	50.0000	55
	27 AR 1016-PEAK4	7.244	7.242	0.002	7687883	50.0000	51
M	28 AR 1260-AVG				66753854	50.0000	52
	29 AR 1260-PEAK1	8.588	8.588	0.000	7782350	50.0000	51
	30 AR 1260-PEAK2	8.797	8.798	-0.001	14555774	50.0000	56
	31 AR 1260-PEAK3	8.955	8.956	-0.001	16777255	50.0000	54
	32 AR 1260-PEAK4	10.161	10.160	0.001	27638475	50.0000	49

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a017.d
Date : 11-DEC-2006 23:40
Client ID:
Sample Info: 1206*1 50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001206



035294

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a018.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a018.d
Lab Smp Id: 1201
Inj Date : 11-DEC-2006 23:59
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1201*1 100
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 11-DEC-2006 23:59 Cal File: sv18a018.d
Als bottle: 18 Calibration Sample, Level: 1
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				104002113	100.000	110
	24 AR 1016-PEAK1	5.139	5.139	0.000	12438796	100.000	110
	25 AR 1016-PEAK2	5.797	5.798	-0.001	25787156	100.000	110
	26 AR 1016-PEAK3	6.382	6.381	0.001	49719136	100.000	110
	27 AR 1016-PEAK4	7.244	7.242	0.002	16057025	100.000	110
M	28 AR 1260-AVG				135325712	100.000	110
	29 AR 1260-PEAK1	8.587	8.588	-0.001	15653548	100.000	100
	30 AR 1260-PEAK2	8.798	8.798	0.000	28427137	100.000	110
	31 AR 1260-PEAK3	8.955	8.956	-0.001	33280790	100.000	110
	32 AR 1260-PEAK4	10.161	10.160	0.001	57964237	100.000	100

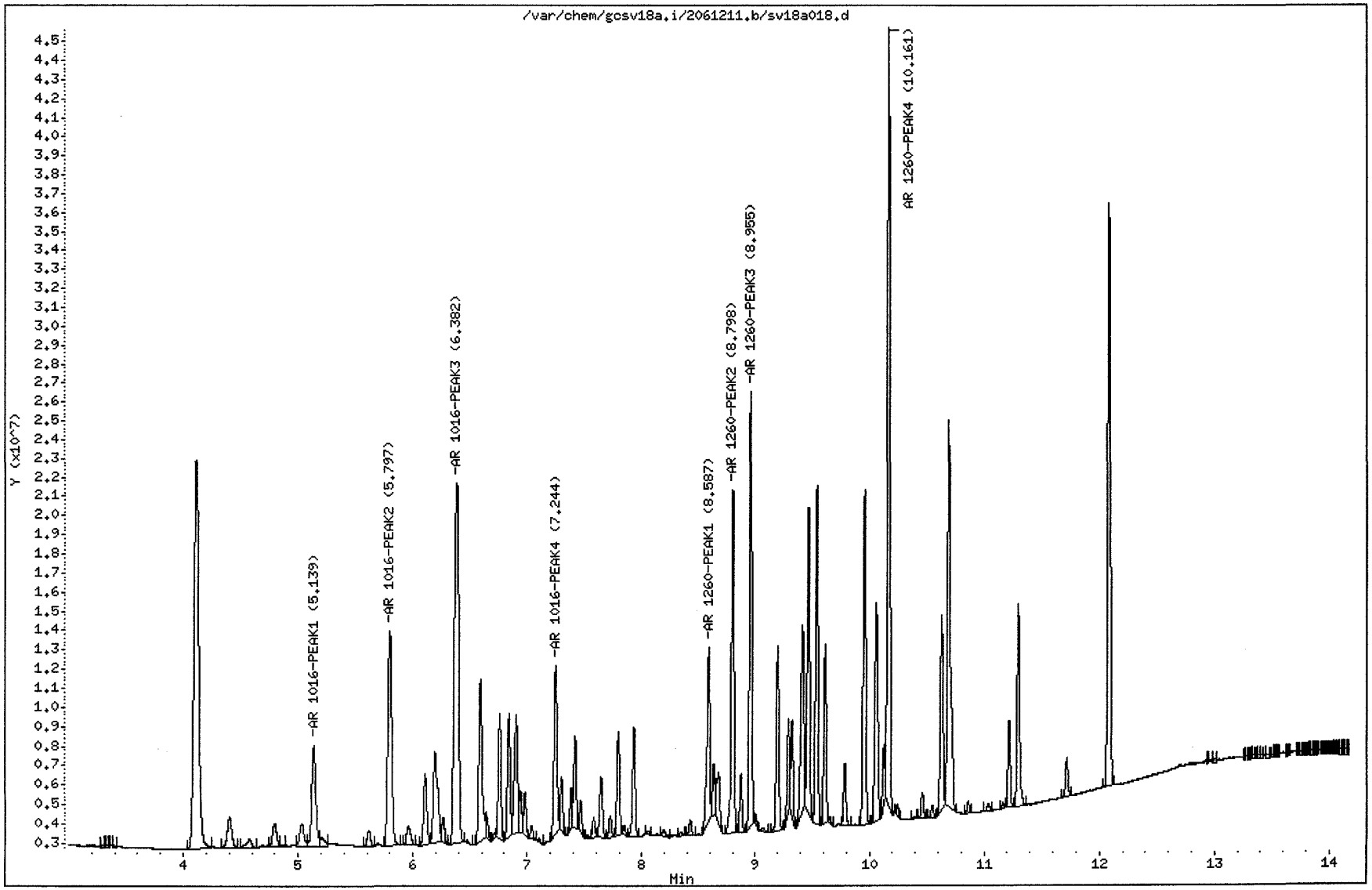
011207

035295

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a018.d
Date : 11-DEC-2006 23:59
Client ID:
Sample Info: 1201x1 100
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001208



035296

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a019.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a019.d
Lab Smp Id: 1202
Inj Date : 12-DEC-2006 00:18
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1202*1 200
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:18 Cal File: sv18a019.d
Als bottle: 19 Calibration Sample, Level: 2
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				192808365	200.000	200
	24 AR 1016-PEAK1	5.141	5.139	0.002	21949338	200.000	200
	25 AR 1016-PEAK2	5.799	5.798	0.001	47776022	200.000	210
	26 AR 1016-PEAK3	6.384	6.381	0.003	92601251	200.000	200
	27 AR 1016-PEAK4	7.245	7.242	0.003	30481754	200.000	200
M	28 AR 1260-AVG				257370108	200.000	200
	29 AR 1260-PEAK1	8.589	8.588	0.001	30632161	200.000	200
	30 AR 1260-PEAK2	8.798	8.798	0.000	52633722	200.000	200
	31 AR 1260-PEAK3	8.956	8.956	0.000	62032680	200.000	200
	32 AR 1260-PEAK4	10.163	10.161	0.002	112071545	200.000	200

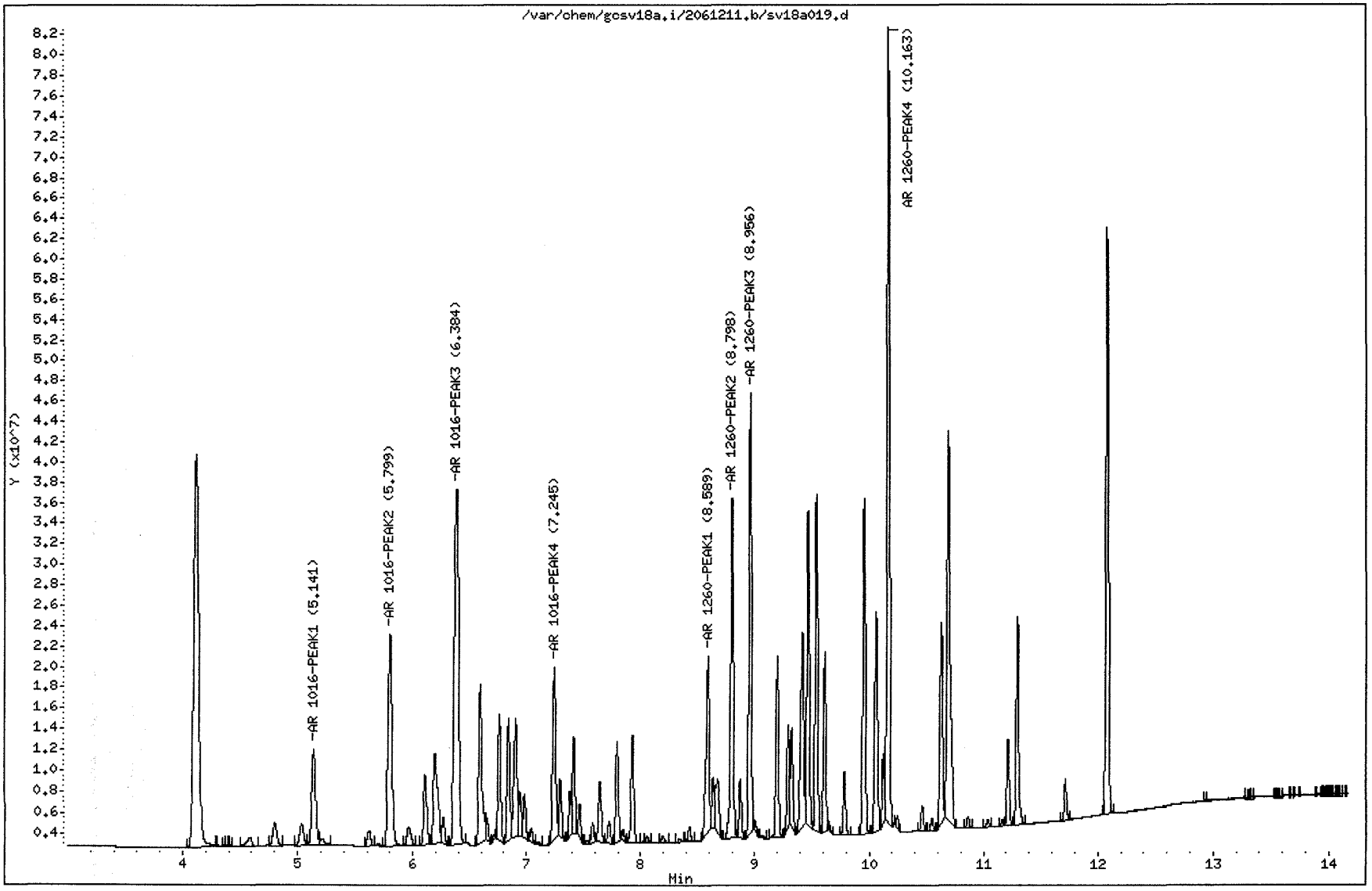
001209

035297

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a019.d
Date : 12-DEC-2006 00:18
Client ID:
Sample Info: 1202x1 200
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001210



035298

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a020.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a020.d
Lab Smp Id: 1203
Inj Date : 12-DEC-2006 00:36
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1203*1 400
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:36 Cal File: sv18a020.d
Als bottle: 20 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				366547998	400.000	390
	24 AR 1016-PEAK1	5.139	5.139	0.000	40521519	400.000	370
	25 AR 1016-PEAK2	5.797	5.798	-0.001	89695581	400.000	390
	26 AR 1016-PEAK3	6.384	6.382	0.002	176492764	400.000	390
	27 AR 1016-PEAK4	7.244	7.242	0.002	59838134	400.000	400
M	28 AR 1260-AVG				507601919	400.000	390
	29 AR 1260-PEAK1	8.588	8.588	0.000	61663219	400.000	400
	30 AR 1260-PEAK2	8.797	8.798	-0.001	100672758	400.000	390
	31 AR 1260-PEAK3	8.955	8.956	-0.001	121234352	400.000	390
	32 AR 1260-PEAK4	10.162	10.161	0.001	224031590	400.000	400

001211

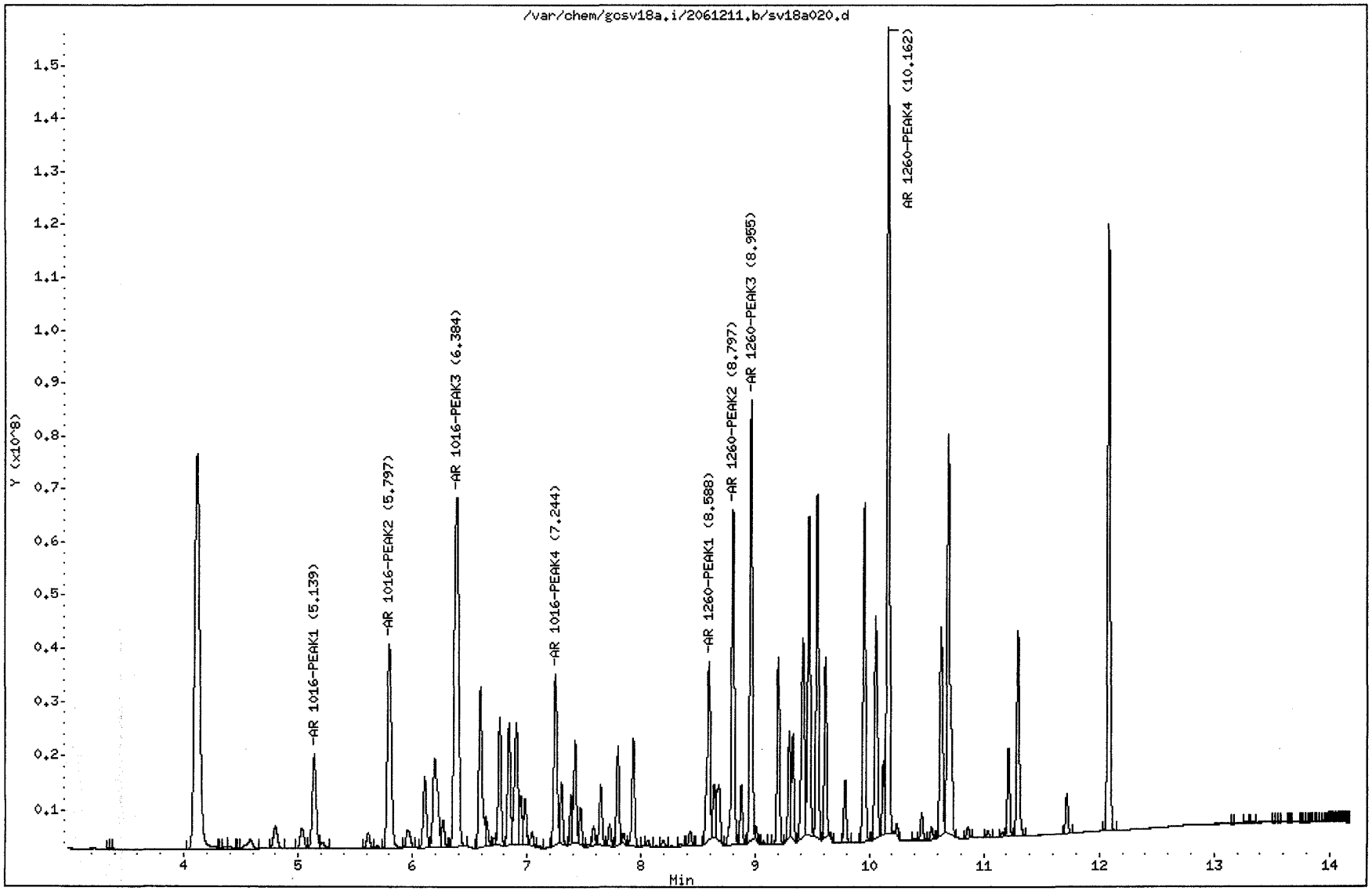
035299

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a020.d
Date : 12-DEC-2006 00:36
Client ID:
Sample Info: 1203*1 400
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001212



035300

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a021.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a021.d
Lab Smp Id: 1204
Inj Date : 12-DEC-2006 00:55
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1204*1 800
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 00:55 Cal File: sv18a021.d
Als bottle: 21 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				696163309	800.000	740
	24 AR 1016-PEAK1	5.138	5.139	-0.001	74657693	800.000	690
	25 AR 1016-PEAK2	5.797	5.798	-0.001	167907322	800.000	720
	26 AR 1016-PEAK3	6.382	6.382	0.000	338264673	800.000	740
	27 AR 1016-PEAK4	7.243	7.243	0.000	115333621	800.000	770
M	28 AR 1260-AVG				997342775	800.000	780
	29 AR 1260-PEAK1	8.587	8.588	-0.001	121059202	800.000	790
	30 AR 1260-PEAK2	8.797	8.798	-0.001	193038926	800.000	740
	31 AR 1260-PEAK3	8.956	8.956	0.000	236240632	800.000	760
	32 AR 1260-PEAK4	10.161	10.161	0.000	447004015	800.000	800

001213

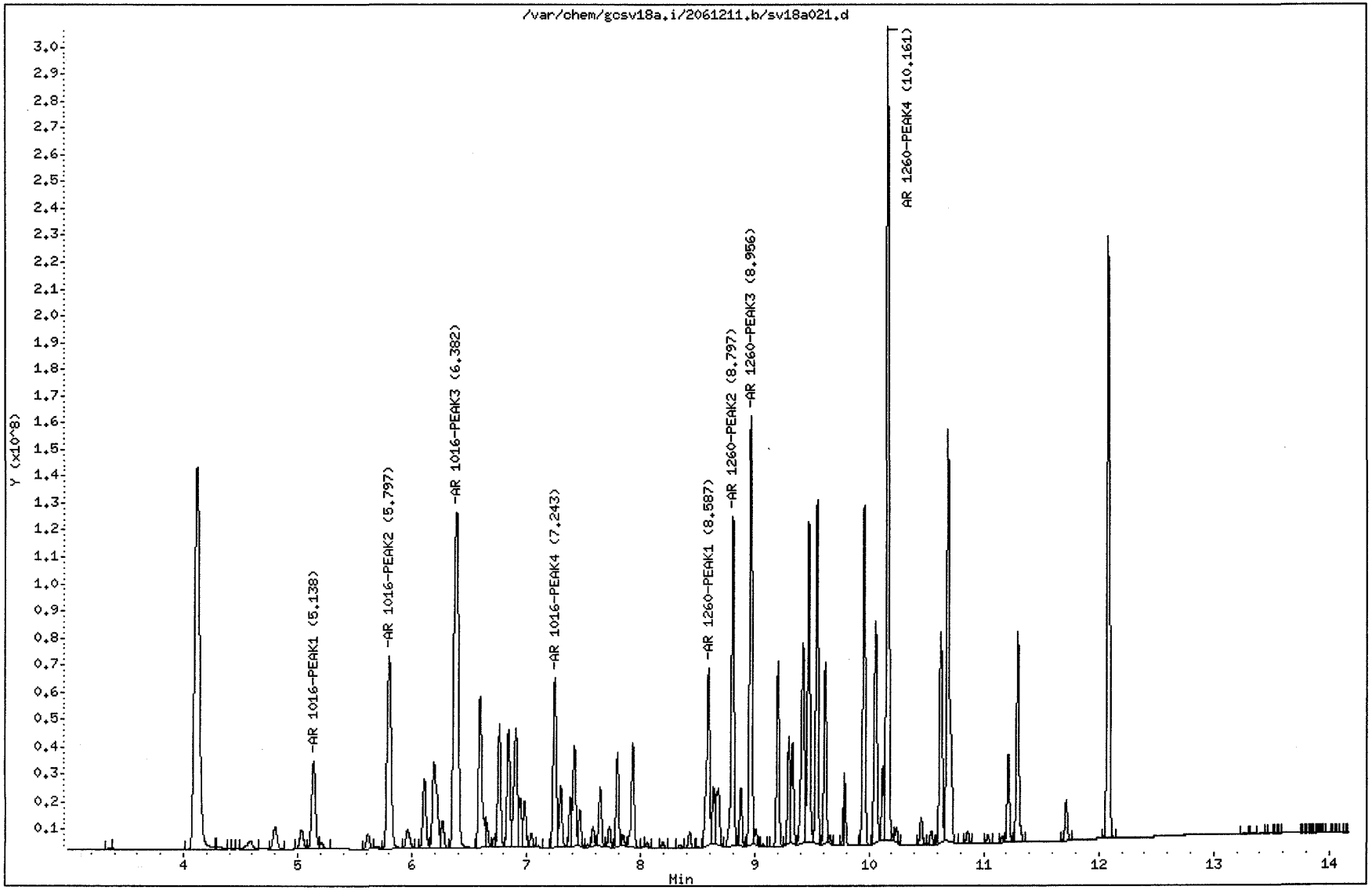
035301

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a021.d
Date : 12-DEC-2006 00:55
Client ID:
Sample Info: 1204*1 800
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001214



035302

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a022.d
Report Date: 13-Dec-2006 16:19

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a022.d
Lab Smp Id: 1205
Inj Date : 12-DEC-2006 01:14
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1205*1 65-44-8
Misc Info : GCSV~10691~*
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 13-Dec-2006 16:19 hjl Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 22 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: hpchem

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

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

Cpnd Variable Local Compound Variable

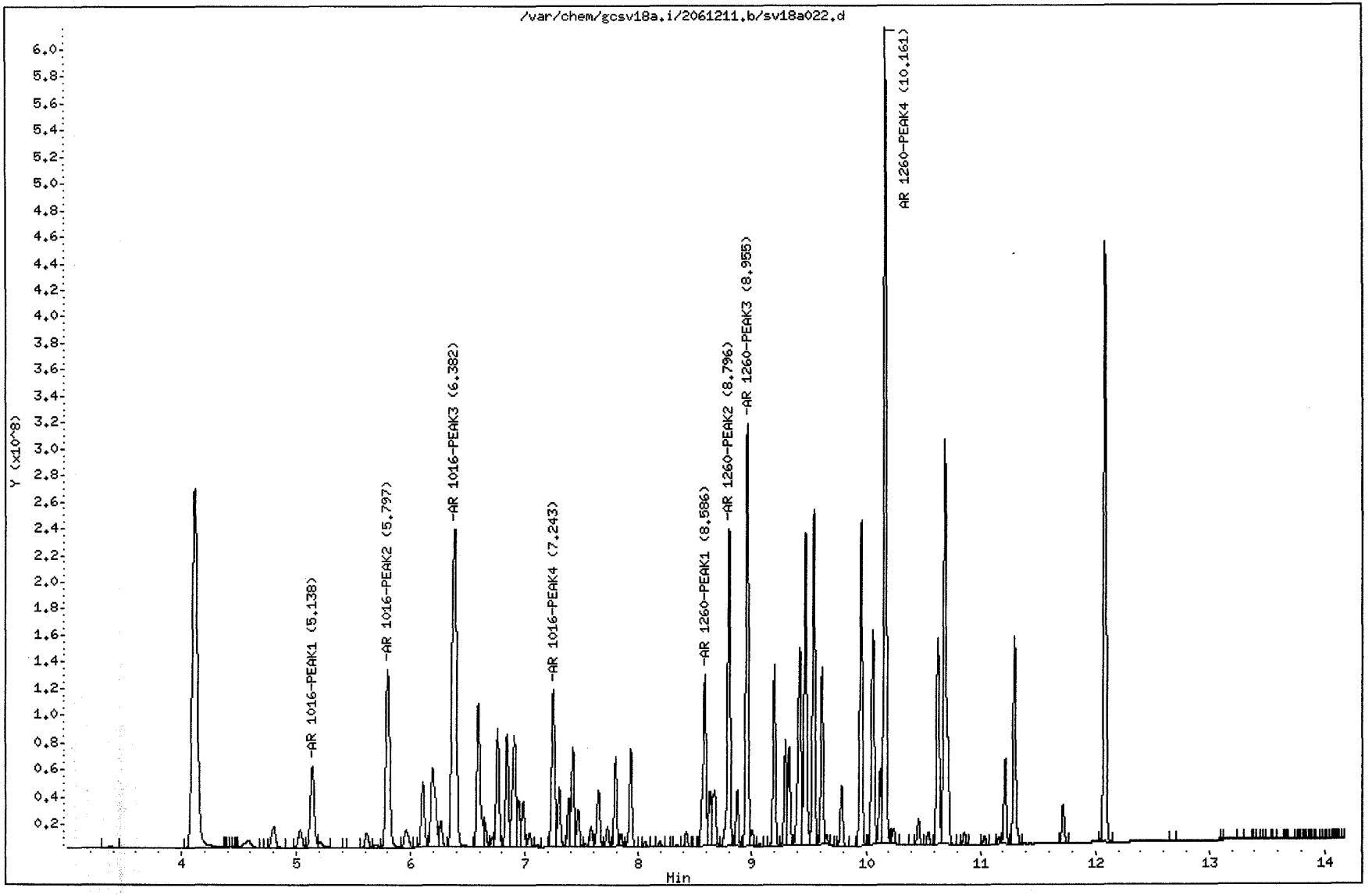
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				1309192213	1600.00	1400
	24 AR 1016-PEAK1	5.138	5.139	-0.001	137624869	1600.00	1300
	25 AR 1016-PEAK2	5.797	5.798	-0.001	312588533	1600.00	1300
	26 AR 1016-PEAK3	6.382	6.382	0.000	638538762	1600.00	1400
	27 AR 1016-PEAK4	7.243	7.243	0.000	220440049	1600.00	1500
M	28 AR 1260-AVG				1962901583	1600.00	1500
	29 AR 1260-PEAK1	8.586	8.588	-0.002	235610589	1600.00	1500
	30 AR 1260-PEAK2	8.796	8.798	-0.002	372336965	1600.00	1400
	31 AR 1260-PEAK3	8.955	8.956	-0.001	461591635	1600.00	1500
	32 AR 1260-PEAK4	10.161	10.161	0.000	893362394	1600.00	1600

091216

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a022.d
Date : 12-DEC-2006 01:14
Client ID:
Sample Info: 1205x1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32



035304

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a023.d
Report Date: 13-Dec-2006 13:40

Gulf Coast Analytical Services

RECOVERY REPORT

Client Name: Client SDG: 2061211
Sample Matrix: LIQUID Fraction: SV
Lab Smp Id: 1600
Level: LOW Operator: tls
Data Type: GC MULTI COMP SampleType: LCS
SpikeList File: pcbicv.spk Quant Type: ESTD
Sublist File: aro1260.sub
Method File: /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	370	91.98	85-115
M 28 AR 1260-AVG	400	360	89.01	85-115

001217

035305

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a023.d
Report Date: 13-Dec-2006 13:40

Gulf Coast Analytical Services

Data file : /var/chem/gcsv18a.i/2061211.b/sv18a023.d
Lab Smp Id: 1600
Inj Date : 12-DEC-2006 01:33
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1600*1 65-29-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Meth Date : 12-Dec-2006 12:26 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 23 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50

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

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	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				347508767	367.932	370
	24 AR 1016-PEAK1	5.138	5.139	-0.001	37877016	348.425	350
	25 AR 1016-PEAK2	5.796	5.798	-0.002	84933347	366.421	370
	26 AR 1016-PEAK3	6.382	6.381	0.001	165321615	363.921	360
	27 AR 1016-PEAK4	7.243	7.242	0.001	59376789	396.606	400
M	28 AR 1260-AVG				457955329	356.031	360
	29 AR 1260-PEAK1	8.586	8.588	-0.002	67941756	444.024	440
	30 AR 1260-PEAK2	8.796	8.798	-0.002	93372854	358.151	360
	31 AR 1260-PEAK3	8.955	8.956	-0.001	117835830	379.016	380
	32 AR 1260-PEAK4	10.161	10.160	0.001	178804889	318.351	320

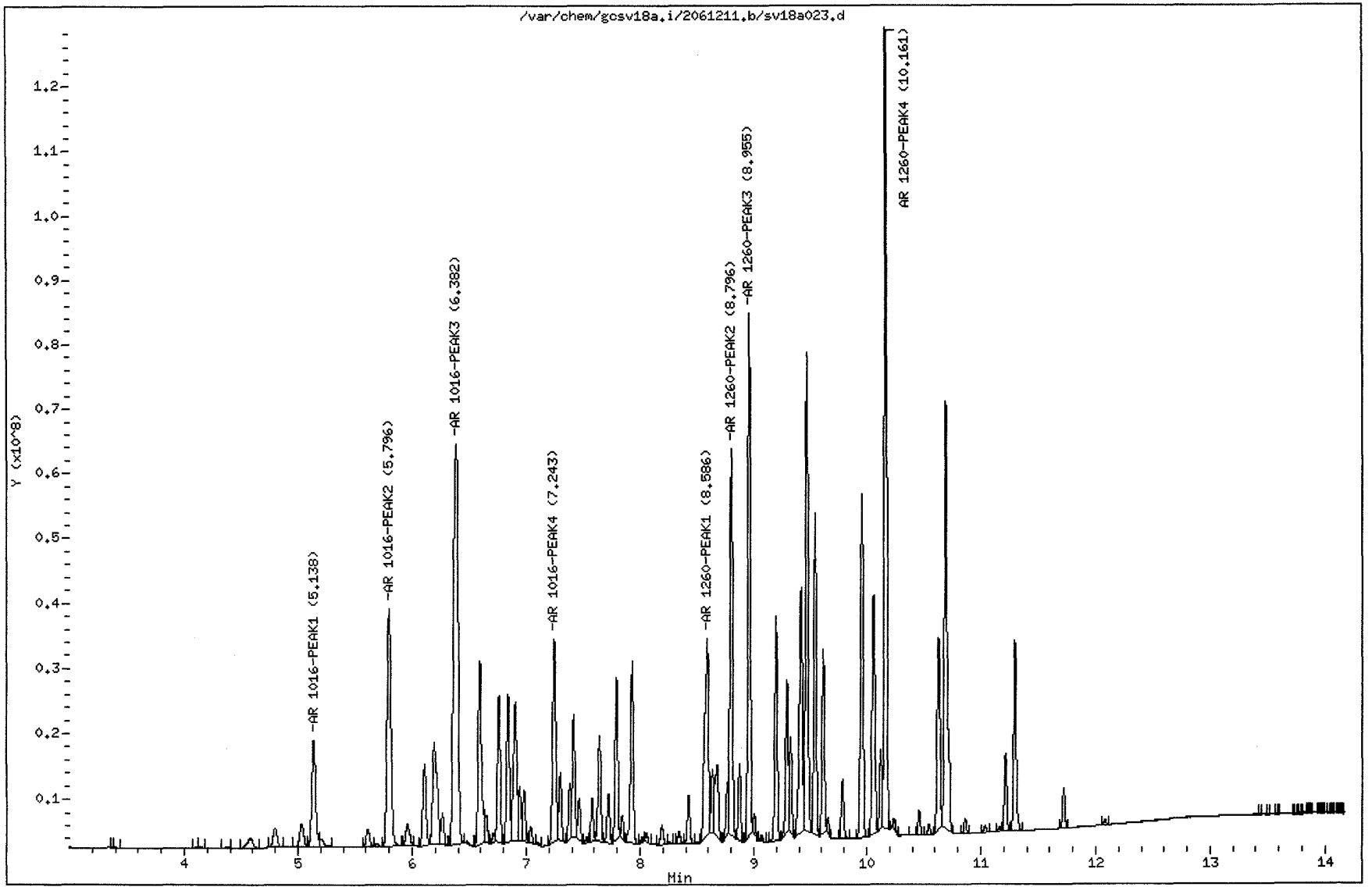
001218

035306

Data File: /var/chem/gcsv18a.i/2061211.b/sv18a023.d
Date : 12-DEC-2006 01:33
Client ID:
Sample Info: 1600x1 65-29-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001219



035307

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a003.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 16-DEC-2006 11:34
Lab File ID: sv18a003.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	944493	905398	0.010	4.13922	15.00000	Averaged
24 AR 1016-PEAK1	108709	93644	0.010	13.85794	15.00000	Averaged
25 AR 1016-PEAK2	231792	225905	0.010	2.53985	15.00000	Averaged
26 AR 1016-PEAK3	454279	446263	0.010	1.76473	15.00000	Averaged
27 AR 1016-PEAK4	149712	139587	0.010	6.76350	15.00000	Averaged
M 28 AR 1260-AVG	1286280	1307231	0.010	-1.62875	15.00000	Averaged
29 AR 1260-PEAK1	153014	145373	0.010	4.99377	15.00000	Averaged
30 AR 1260-PEAK2	260708	254723	0.010	2.29549	15.00000	Averaged
31 AR 1260-PEAK3	310900	313946	0.010	-0.97995	15.00000	Averaged
32 AR 1260-PEAK4	561659	593188	0.010	-5.61360	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.45768
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001220

035308

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a003.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a003.d
Lab Smp Id: 1400
Inj Date : 16-DEC-2006 11:34
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 3 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)

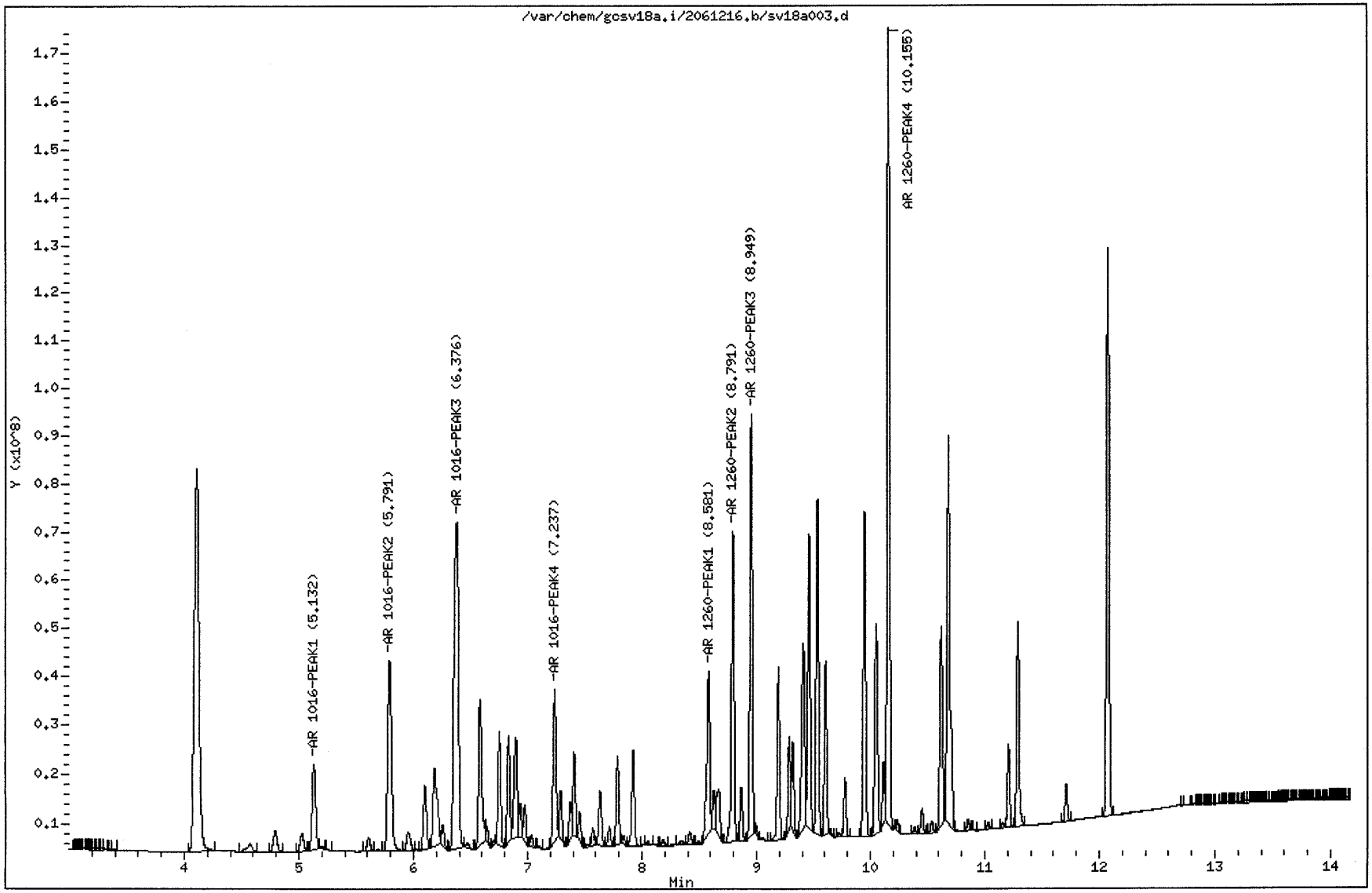
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				362159262	400.000	380
	24 AR 1016-PEAK1	5.132	5.138	-0.006	37457703	400.000	340
	25 AR 1016-PEAK2	5.791	5.797	-0.006	90361879	400.000	390
	26 AR 1016-PEAK3	6.376	6.380	-0.004	178505059	400.000	390
	27 AR 1016-PEAK4	7.237	7.241	-0.004	55834621	400.000	370
M	28 AR 1260-AVG				522892216	400.000	410
	29 AR 1260-PEAK1	8.581	8.587	-0.006	58149003	400.000	380
	30 AR 1260-PEAK2	8.791	8.797	-0.006	101889299	400.000	390
	31 AR 1260-PEAK3	8.949	8.955	-0.006	125578519	400.000	400
	32 AR 1260-PEAK4	10.155	10.160	-0.005	237275395	400.000	420

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a003.d
Date : 16-DEC-2006 11:34
Client ID:
Sample Info: 1400*1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001222



035310

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a021.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 16-DEC-2006 19:42
Lab File ID: sv18a021.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	944493	908300	0.010	3.83198	15.00000	Averaged
24 AR 1016-PEAK1	108709	98186	0.010	9.68020	15.00000	Averaged
25 AR 1016-PEAK2	231792	227460	0.010	1.86878	15.00000	Averaged
26 AR 1016-PEAK3	454279	450044	0.010	0.93227	15.00000	Averaged
27 AR 1016-PEAK4	149712	132610	0.010	11.42375	15.00000	Averaged
M 28 AR 1260-AVG	1286280	1280014	0.010	0.48718	15.00000	Averaged
29 AR 1260-PEAK1	153014	135640	0.010	11.35401	15.00000	Averaged
30 AR 1260-PEAK2	260708	252354	0.010	3.20428	15.00000	Averaged
31 AR 1260-PEAK3	310900	315201	0.010	-1.38357	15.00000	Averaged
32 AR 1260-PEAK4	561659	576818	0.010	-2.69897	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.68650
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001223

035311

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a021.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a021.d
Lab Smp Id: 1400
Inj Date : 16-DEC-2006 19:42
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.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)

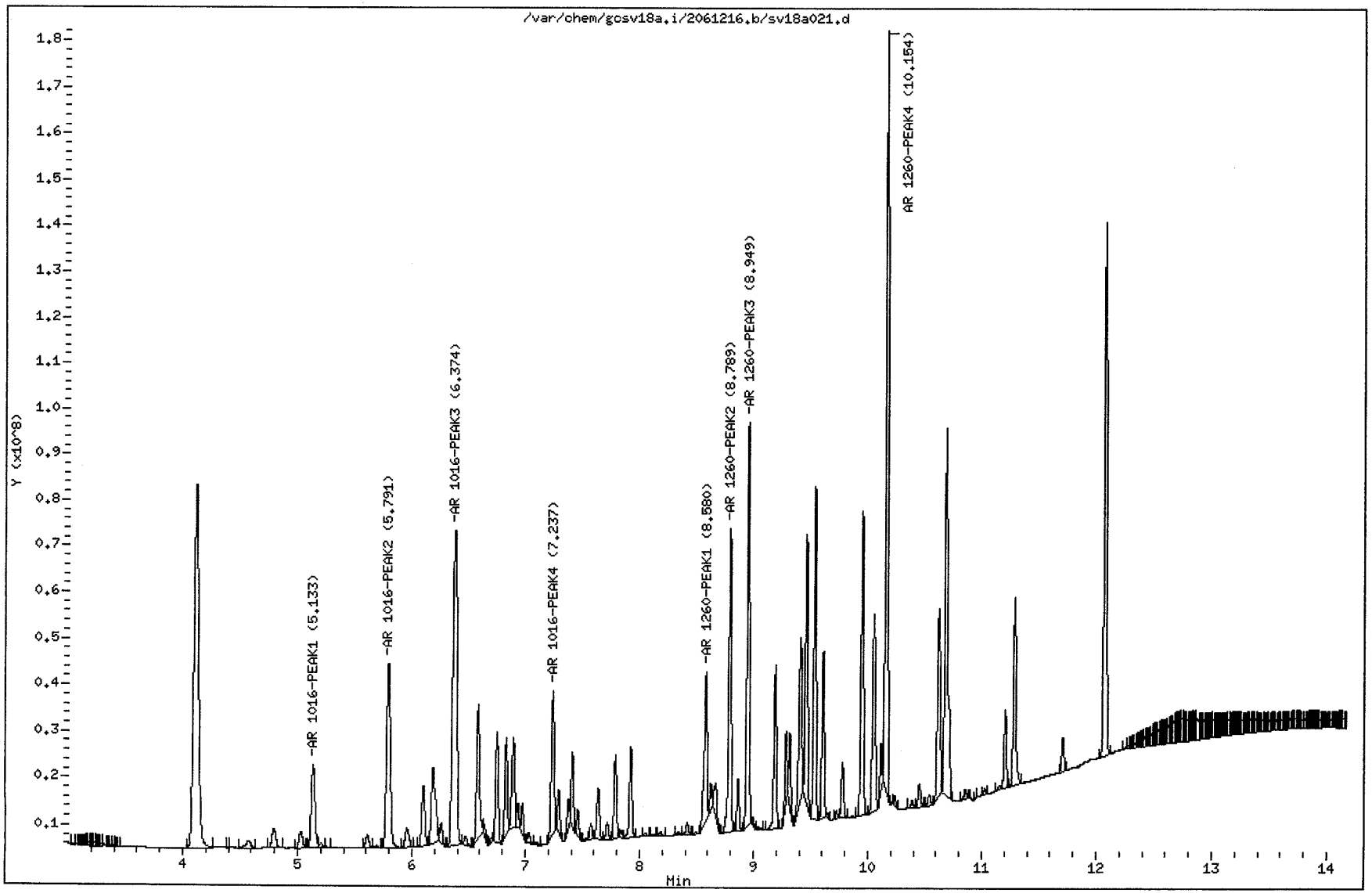
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				363319987	400.000	380
	24 AR 1016-PEAK1	5.133	5.138	-0.005	39274336	400.000	360
	25 AR 1016-PEAK2	5.791	5.798	-0.007	90984075	400.000	390
	26 AR 1016-PEAK3	6.374	6.380	-0.006	180017743	400.000	400
	27 AR 1016-PEAK4	7.237	7.241	-0.004	53043833	400.000	350
M	28 AR 1260-AVG				512005505	400.000	400
	29 AR 1260-PEAK1	8.580	8.587	-0.007	54256188	400.000	350
	30 AR 1260-PEAK2	8.789	8.797	-0.008	100941583	400.000	390
	31 AR 1260-PEAK3	8.949	8.955	-0.006	126080458	400.000	410
	32 AR 1260-PEAK4	10.154	10.160	-0.006	230727276	400.000	410

001225

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a021.d
Date : 16-DEC-2006 19:42
Client ID:
Sample Info: 1400*1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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



035313

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a025.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 18-DEC-2006 08:37
Lab File ID: sv18a025.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	944493	932961	0.010	1.22093	15.00000	Averaged
24 AR 1016-PEAK1	108709	100833	0.010	7.24544	15.00000	Averaged
25 AR 1016-PEAK2	231792	233314	0.010	-0.65674	15.00000	Averaged
26 AR 1016-PEAK3	454279	459763	0.010	-1.20701	15.00000	Averaged
27 AR 1016-PEAK4	149712	139052	0.010	7.12070	15.00000	Averaged
M 28 AR 1260-AVG	1286280	1317526	0.010	-2.42918	15.00000	Averaged
29 AR 1260-PEAK1	153014	140762	0.010	8.00693	15.00000	Averaged
30 AR 1260-PEAK2	260708	259453	0.010	0.48144	15.00000	Averaged
31 AR 1260-PEAK3	310900	321968	0.010	-3.55997	15.00000	Averaged
32 AR 1260-PEAK4	561659	595344	0.010	-5.99740	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 3.79257
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001226

035314

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a025.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a025.d
Lab Smp Id: 1400
Inj Date : 18-DEC-2006 08:37
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 25 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: 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				373184490	400.000	400
	24 AR 1016-PEAK1	5.134	5.138	-0.004	40333058	400.000	370
	25 AR 1016-PEAK2	5.792	5.798	-0.006	93325655	400.000	400
	26 AR 1016-PEAK3	6.378	6.381	-0.003	183905066	400.000	400
	27 AR 1016-PEAK4	7.237	7.241	-0.004	55620711	400.000	370
M	28 AR 1260-AVG				527010514	400.000	410
	29 AR 1260-PEAK1	8.581	8.587	-0.006	56304784	400.000	370
	30 AR 1260-PEAK2	8.790	8.797	-0.007	103781044	400.000	400
	31 AR 1260-PEAK3	8.949	8.956	-0.007	128787032	400.000	410
	32 AR 1260-PEAK4	10.154	10.160	-0.006	238137654	400.000	420

001227

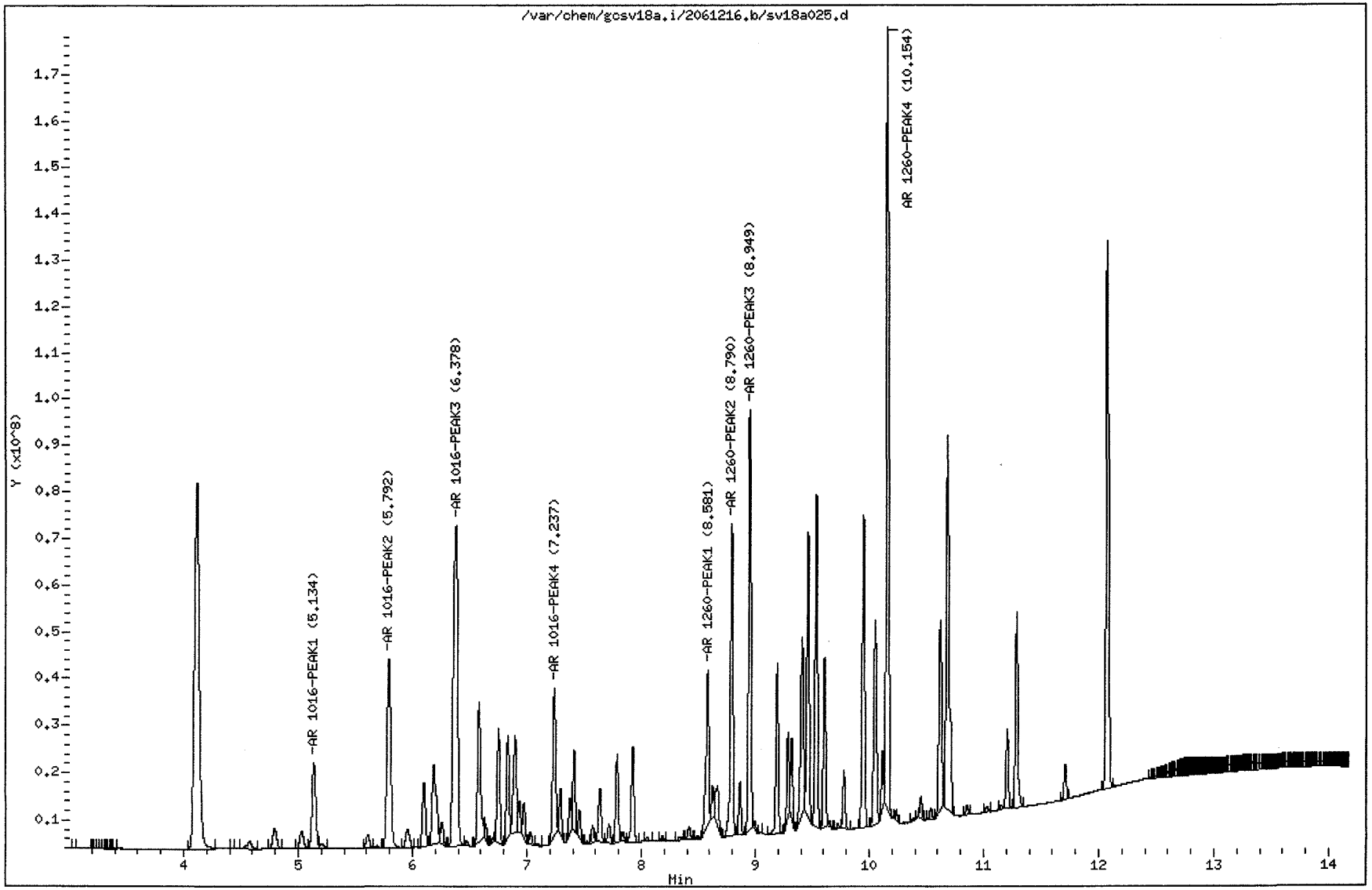
035315

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a025.d
Date : 18-DEC-2006 08:37
Client ID:
Sample Info: 1400*1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001228



035316

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a039.d
Report Date: 19-Dec-2006 13:03

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 18-DEC-2006 15:09
Lab File ID: sv18a039.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: SOIL Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	944493	910458	0.010	3.60351	15.00000	Averaged
24 AR 1016-PEAK1	108709	96865	0.010	10.89506	15.00000	Averaged
25 AR 1016-PEAK2	231792	227811	0.010	1.71739	15.00000	Averaged
26 AR 1016-PEAK3	454279	453331	0.010	0.20881	15.00000	Averaged
27 AR 1016-PEAK4	149712	132451	0.010	11.52986	15.00000	Averaged
M 28 AR 1260-AVG	1286280	1301452	0.010	-1.17947	15.00000	Averaged
29 AR 1260-PEAK1	153014	136485	0.010	10.80179	15.00000	Averaged
30 AR 1260-PEAK2	260708	256474	0.010	1.62377	15.00000	Averaged
31 AR 1260-PEAK3	310900	321506	0.010	-3.41145	15.00000	Averaged
32 AR 1260-PEAK4	561659	586986	0.010	-4.50925	15.00000	Averaged

Average %D / Drift Results.
Calculated Average %D/Drift = 4.94804
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001229

035317

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a039.d
Report Date: 19-Dec-2006 13:03

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a039.d
Lab Smp Id: 1400
Inj Date : 18-DEC-2006 15:09
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-44-8
Misc Info :
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 13:03 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 39 Continuing Calibration Sample
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

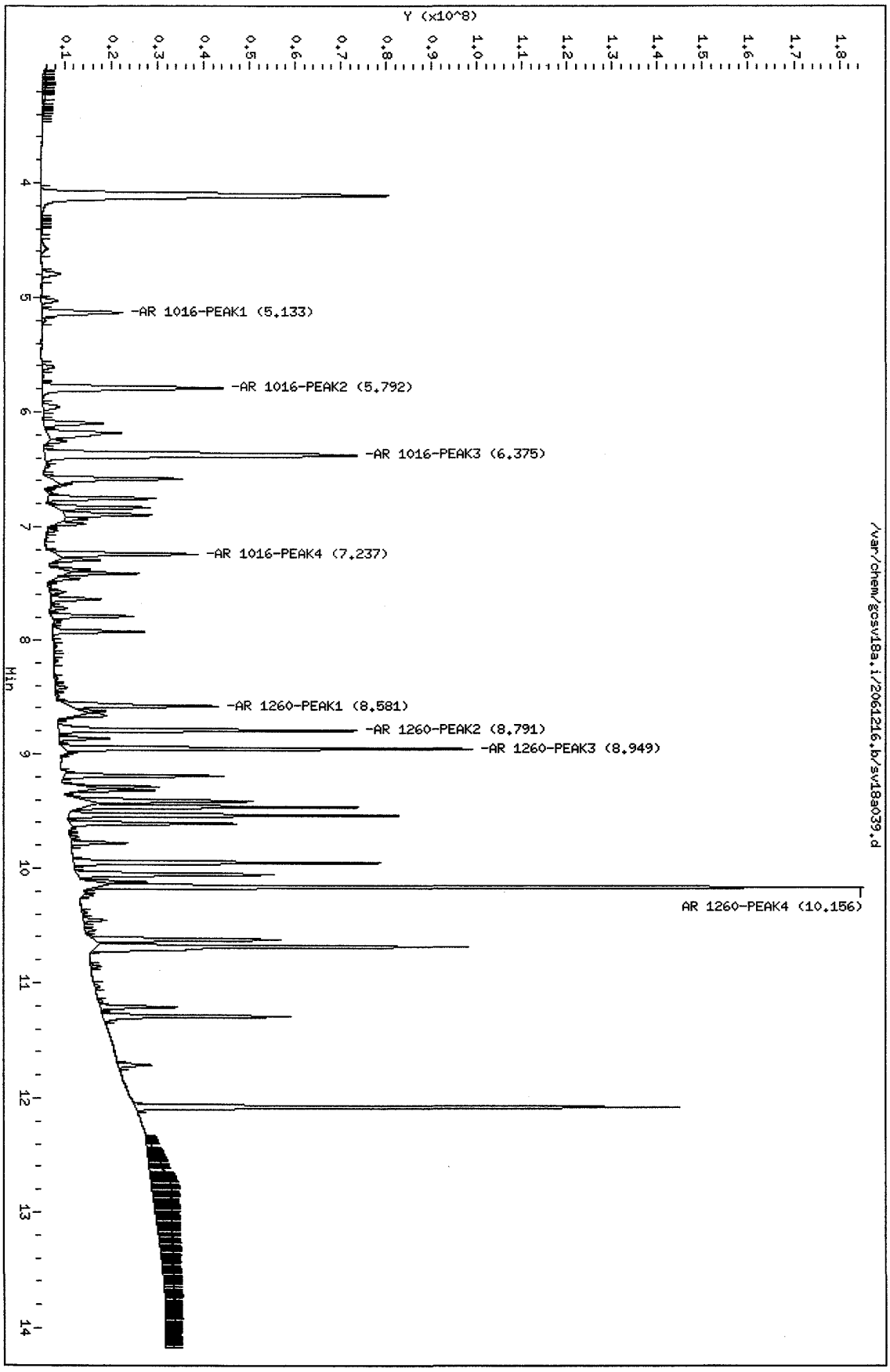
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	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	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				364183155	400.000	390
	24 AR 1016-PEAK1	5.133	5.138	-0.005	38746072	400.000	360
	25 AR 1016-PEAK2	5.792	5.798	-0.006	91124444	400.000	390
	26 AR 1016-PEAK3	6.375	6.380	-0.005	181332348	400.000	400
	27 AR 1016-PEAK4	7.237	7.241	-0.004	52980291	400.000	350
M	28 AR 1260-AVG				520580636	400.000	400
	29 AR 1260-PEAK1	8.581	8.587	-0.006	54594178	400.000	360
	30 AR 1260-PEAK2	8.791	8.797	-0.006	102589793	400.000	390
	31 AR 1260-PEAK3	8.949	8.956	-0.007	128602335	400.000	410
	32 AR 1260-PEAK4	10.156	10.160	-0.004	234794330	400.000	420

035318



001231

035319

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a050.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 19-DEC-2006 09:38
Lab File ID: sv18a050.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	944493	942351	0.010	0.22672	15.00000	Averaged
24 AR 1016-PEAK1	108709	100434	0.010	7.61234	15.00000	Averaged
25 AR 1016-PEAK2	231792	234406	0.010	-1.12767	15.00000	Averaged
26 AR 1016-PEAK3	454279	462019	0.010	-1.70363	15.00000	Averaged
27 AR 1016-PEAK4	149712	145493	0.010	2.81814	15.00000	Averaged
M 28 AR 1260-AVG	1286280	1362868	0.010	-5.95420	15.00000	Averaged
29 AR 1260-PEAK1	153014	148209	0.010	3.13992	15.00000	Averaged
30 AR 1260-PEAK2	260708	267243	0.010	-2.50682	15.00000	Averaged
31 AR 1260-PEAK3	310900	331083	0.010	-6.49180	15.00000	Averaged
32 AR 1260-PEAK4	561659	616333	0.010	-9.73433	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.13156
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001232

035320

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a050.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a050.d
Lab Smp Id: 1400
Inj Date : 19-DEC-2006 09:38
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 50 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)

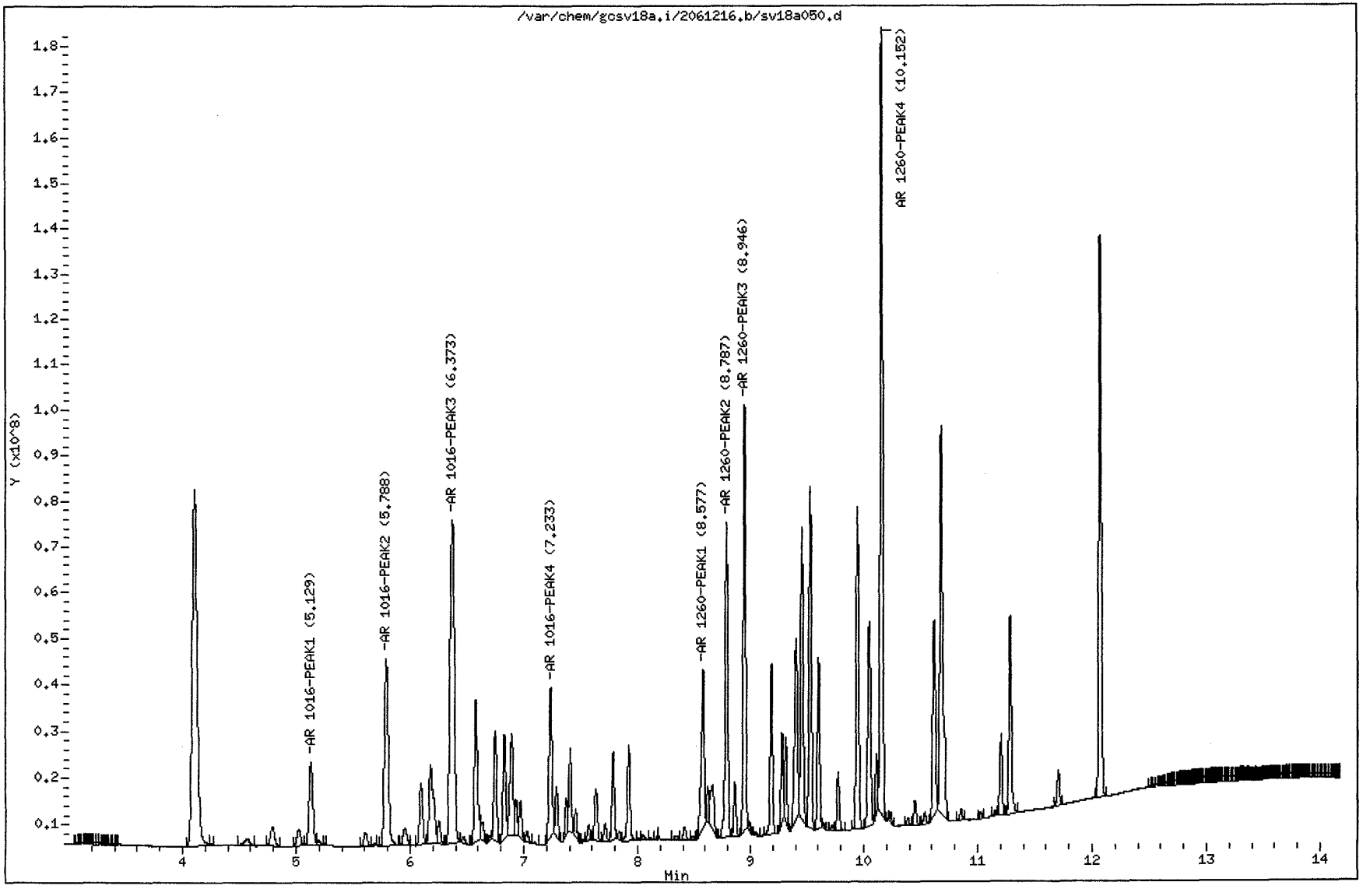
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				376940575	400.000	400
	24 AR 1016-PEAK1	5.129	5.138	-0.009	40173517	400.000	370
	25 AR 1016-PEAK2	5.788	5.797	-0.009	93762288	400.000	400
	26 AR 1016-PEAK3	6.373	6.380	-0.007	184807476	400.000	410
	27 AR 1016-PEAK4	7.233	7.240	-0.007	58197294	400.000	390
M	28 AR 1260-AVG				545147166	400.000	420
	29 AR 1260-PEAK1	8.577	8.587	-0.010	59283660	400.000	390
	30 AR 1260-PEAK2	8.787	8.797	-0.010	106897293	400.000	410
	31 AR 1260-PEAK3	8.946	8.955	-0.009	132433047	400.000	430
	32 AR 1260-PEAK4	10.152	10.159	-0.007	246533166	400.000	440

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a050.d
Date : 19-DEC-2006 09:38
Client ID:
Sample Info: 1400x1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

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

001234



035322

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a056.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv18a.i Injection Date: 19-DEC-2006 13:06
Lab File ID: sv18a056.d Init. Cal. Date(s): 11-DEC-2006 12-DEC-2006
Analysis Type: WATER Init. Cal. Times: 19:00 05:35
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv18a.i/2061216.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	944493	929111	0.010	1.62857	15.00000	Averaged
24 AR 1016-PEAK1	108709	99259	0.010	8.69268	15.00000	Averaged
25 AR 1016-PEAK2	231792	232928	0.010	-0.49031	15.00000	Averaged
26 AR 1016-PEAK3	454279	456159	0.010	-0.41376	15.00000	Averaged
27 AR 1016-PEAK4	149712	140764	0.010	5.97688	15.00000	Averaged
M 28 AR 1260-AVG	1286280	1356259	0.010	-5.44037	15.00000	Averaged
29 AR 1260-PEAK1	153014	147009	0.010	3.92395	15.00000	Averaged
30 AR 1260-PEAK2	260708	264690	0.010	-1.52749	15.00000	Averaged
31 AR 1260-PEAK3	310900	325578	0.010	-4.72131	15.00000	Averaged
32 AR 1260-PEAK4	561659	618981	0.010	-10.20579	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.30211
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

035323

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a056.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a056.d
Lab Smp Id: 1400
Inj Date : 19-DEC-2006 13:06
Operator : tls Inst ID: gcsv18a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 56 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				371644412	400.000	390
	24 AR 1016-PEAK1	5.139	5.139	0.000	39703746	400.000	370
	25 AR 1016-PEAK2	5.797	5.799	-0.002	93171351	400.000	400
	26 AR 1016-PEAK3	6.380	6.381	-0.001	182463628	400.000	400
	27 AR 1016-PEAK4	7.241	7.242	-0.001	56305687	400.000	380
M	28 AR 1260-AVG				542503469	400.000	420
	29 AR 1260-PEAK1	8.583	8.588	-0.005	58803793	400.000	380
	30 AR 1260-PEAK2	8.793	8.798	-0.005	105876018	400.000	410
	31 AR 1260-PEAK3	8.951	8.956	-0.005	130231276	400.000	420
	32 AR 1260-PEAK4	10.156	10.160	-0.004	247592382	400.000	440

001236

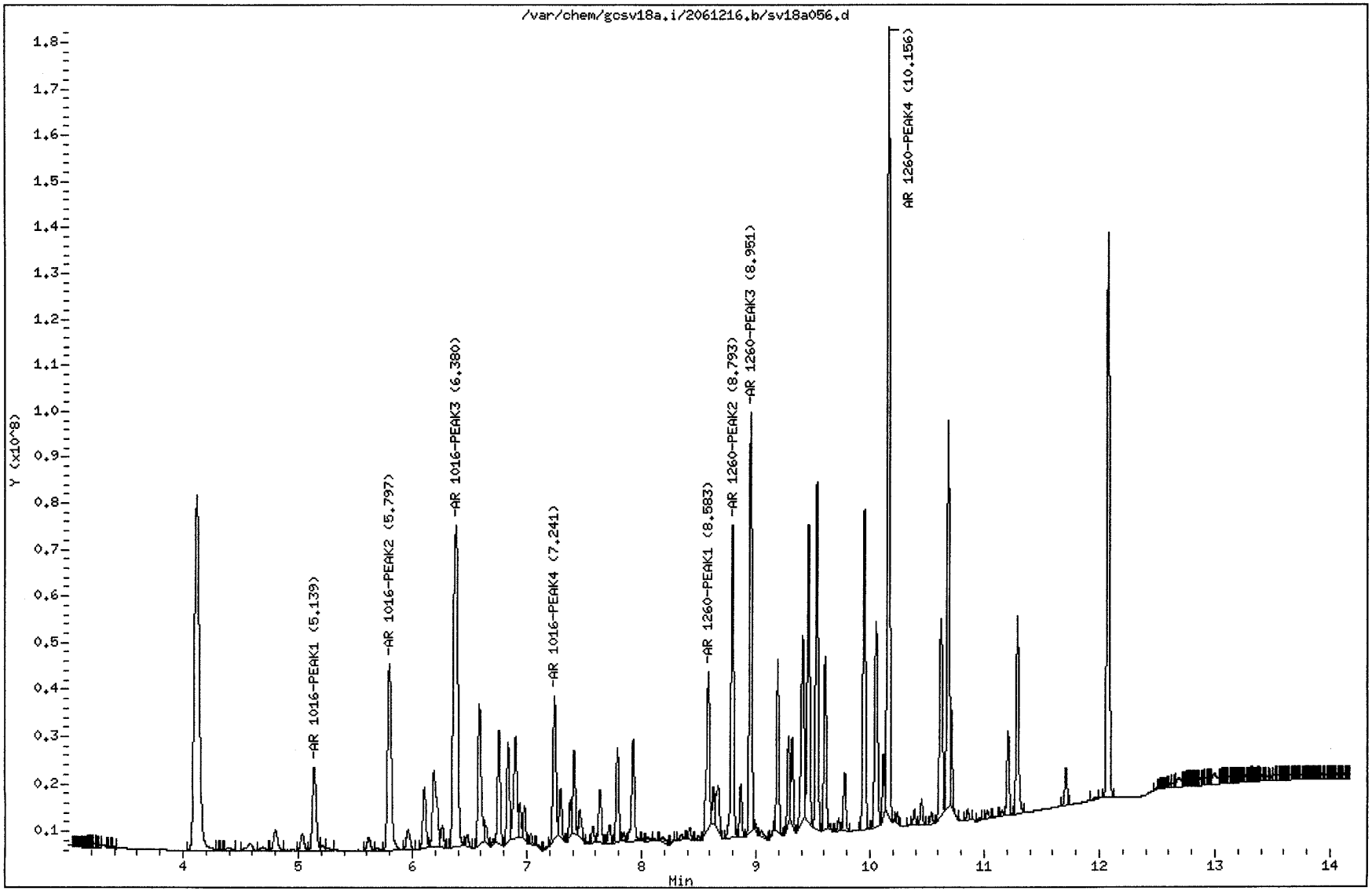
035324

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a056.d
Date : 19-DEC-2006 13:06
Client ID:
Sample Info: 1400x1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i

Operator: tls
Column diameter: 0.32

001237



035325

Report Date : 12-Jan-2007 14:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv17a.i/2061124.b/sv17a020.d
Level 2: /var/chem/gcsv17a.i/2061124.b/sv17a021.d
Level 3: /var/chem/gcsv17a.i/2061124.b/sv17a022.d
Level 4: /var/chem/gcsv17a.i/2061124.b/sv17a023.d
Level 5: /var/chem/gcsv17a.i/2061124.b/sv17a024.d
Level 6: /var/chem/gcsv17a.i/2061124.b/sv17a019.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	6385278	6297865	6501470	6480600	6543270	7209392	6569646	4.958
	3 gamma-BHC (Lindane)	5613782	5429200	5598915	5556767	5611672	+++++	5562067	1.398
	4 Heptachlor	4808813	4548154	4797916	4711074	4778184	+++++	4728828	2.282
	5 Aldrin	5610252	5416026	5517560	5486047	5506034	+++++	5507184	1.267
	6 beta-BHC	2878441	2538148	2510690	2479249	2499943	+++++	2581294	6.488
	7 delta-BHC	5276058	5055277	5302797	5230592	5310285	+++++	5235002	2.010
	8 Heptachlor epoxide	4836525	4598716	4751395	4726360	4775252	+++++	4737650	1.852
	9 Endosulfan I	4424057	4341118	4468860	4473977	4490314	+++++	4439665	1.358
	10 gamma-Chlordane	5015821	4762167	4867616	4851653	4893939	+++++	4878239	1.875
	11 alpha-Chlordane	4576584	4330223	4476746	4427151	4515087	+++++	4465158	2.086
	12 4,4'-DDE	5103047	4725057	4861608	4823063	4878947	+++++	4878345	2.850
	13 Dieldrin	4878718	4793596	5033800	5036173	5108982	+++++	4970254	2.608
	14 Endrin	3881817	3681794	3921316	3865268	3961660	+++++	3862371	2.786
	15 4,4'-DDD	3862642	3767456	3982498	3959486	4048826	+++++	3924182	2.807
	16 Endosulfan II	4080157	3909951	4122584	4114202	4201142	+++++	4085607	2.637
	17 4,4'-DDT	3218715	3148887	3529889	3470064	3571943	+++++	3387900	5.649
	18 Endrin aldehyde	3304396	3102465	3247023	3228604	3293001	+++++	3235098	2.489
	19 Methoxychlor	1643895	1615387	1824401	1801046	1829129	+++++	1742772	5.985
	20 Endosulfan sulfate	3457480	3205294	3429344	3353294	3441112	+++++	3377305	3.083
	21 Endrin ketone	4176642	3906816	4132380	4095636	4189040	+++++	4100103	2.786
M	23 AR 1016-AVG	958137	903714	842237	801619	777102	1013783	882765	10.466

001238

035326

Report Date : 12-Jan-2007 14:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	RRF	% RSD
	24 AR 1016-PEAK1	111699	101608	91333	83637	79390	118864	97755	16.062
	25 AR 1016-PEAK2	241938	225975	208332	195913	188411	257310	219646	12.254
	26 AR 1016-PEAK3	444272	425860	403223	388900	380367	469301	418654	8.179
	27 AR 1016-PEAK4	160228	150272	139349	133169	128934	168308	146710	10.627
M	28 AR 1260-AVG	1231996	1194974	1143470	1125729	1125798	1290045	1185335	5.607
	29 AR 1260-PEAK1	166426	157051	146594	141012	138098	174909	154015	9.531
	30 AR 1260-PEAK2	250934	239403	226839	220450	217850	266413	236981	8.026
	31 AR 1260-PEAK3	296216	285063	271068	265248	263105	315658	282726	7.246
	32 AR 1260-PEAK4	518420	513457	498969	499019	506745	533065	511612	2.552
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	139818	+++++	+++++	+++++	139818	0.000
	38 AR 1221-PEAK1	+++++	+++++	15447	+++++	+++++	+++++	15447	0.000
	39 AR 1221-PEAK2	+++++	+++++	56772	+++++	+++++	+++++	56772	0.000
	40 AR 1221-PEAK3	+++++	+++++	36586	+++++	+++++	+++++	36586	0.000
	41 AR 1221-PEAK4	+++++	+++++	31012	+++++	+++++	+++++	31012	0.000
M	42 AR 1232-AVG	+++++	+++++	410450	+++++	+++++	+++++	410450	0.000
	43 AR 1232-PEAK1	+++++	+++++	100501	+++++	+++++	+++++	100501	0.000
	44 AR 1232-PEAK2	+++++	+++++	94528	+++++	+++++	+++++	94528	0.000
	45 AR 1232-PEAK3	+++++	+++++	157369	+++++	+++++	+++++	157369	0.000
	46 AR 1232-PEAK4	+++++	+++++	58051	+++++	+++++	+++++	58051	0.000
M	47 AR 1242-AVG	+++++	+++++	647227	+++++	+++++	+++++	647227	0.000
	48 AR 1242-PEAK1	+++++	+++++	69674	+++++	+++++	+++++	69674	0.000
	49 AR 1242-PEAK2	+++++	+++++	159694	+++++	+++++	+++++	159694	0.000
	50 AR 1242-PEAK3	+++++	+++++	301676	+++++	+++++	+++++	301676	0.000
	51 AR 1242-PEAK4	+++++	+++++	116184	+++++	+++++	+++++	116184	0.000
M	52 AR 1248-AVG	+++++	+++++	658938	+++++	+++++	+++++	658938	0.000

Report Date : 12-Jan-2007 14:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	194293	+++++	+++++	+++++	194293	0.000
	54 AR 1248-PEAK2	+++++	+++++	161521	+++++	+++++	+++++	161521	0.000
	55 AR 1248-PEAK3	+++++	+++++	153881	+++++	+++++	+++++	153881	0.000
	56 AR 1248-PEAK4	+++++	+++++	149243	+++++	+++++	+++++	149243	0.000
M	57 AR 1254-AVG	+++++	+++++	578532	+++++	+++++	+++++	578532	0.000
	58 AR 1254-PEAK1	+++++	+++++	75320	+++++	+++++	+++++	75320	0.000
	59 AR 1254-PEAK2	+++++	+++++	76823	+++++	+++++	+++++	76823	0.000
	60 AR 1254-PEAK3	+++++	+++++	139230	+++++	+++++	+++++	139230	0.000
	61 AR 1254-PEAK4	+++++	+++++	287159	+++++	+++++	+++++	287159	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	531114	+++++	531114	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	145569	+++++	145569	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	168588	+++++	168588	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	110260	+++++	110260	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	106697	+++++	106697	0.000
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1435501	+++++	1435501	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	211327	+++++	211327	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	228318	+++++	228318	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	528580	+++++	528580	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	467275	+++++	467275	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	1622442	+++++	+++++	+++++	1622442	0.000
	75 AR 1268-PEAK1	+++++	+++++	566551	+++++	+++++	+++++	566551	0.000
	76 AR 1268-PEAK2	+++++	+++++	460110	+++++	+++++	+++++	460110	0.000
	77 AR 1268-PEAK3	+++++	+++++	405141	+++++	+++++	+++++	405141	0.000
	78 AR 1268 PEAK4	+++++	+++++	190641	+++++	+++++	+++++	190641	0.000
M	79 AR 1262-AVG	+++++	+++++	947089	+++++	+++++	+++++	947089	0.000
	80 AR 1262-PEAK1	+++++	+++++	190135	+++++	+++++	+++++	190135	0.000
	81 AR 1262-PEAK2	+++++	+++++	266494	+++++	+++++	+++++	266494	0.000

001240

035328

Report Date : 12-Jan-2007 14:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	244155	+++++	+++++	+++++	244155	0.000
83 AR 1262-PEAK4	+++++	+++++	246305	+++++	+++++	+++++	246305	0.000
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	5088923	4912165	4900552	4844719	4690582	+++++	4887388	2.929
$ 22 Decachlorobiphenyl	4180552	3520847	3515727	3407688	3516554	+++++	3628274	8.610

001241

035329

Report Date : 12-Jan-2007 14:33

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:04
End Cal Date : 25-NOV-2006 00:47
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Cal Date : 08-Jan-2007 10:29 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 5.04196
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

001242

035330

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a012.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a012.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 20:34
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1203*1 65-36-3
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17a022.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1221.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

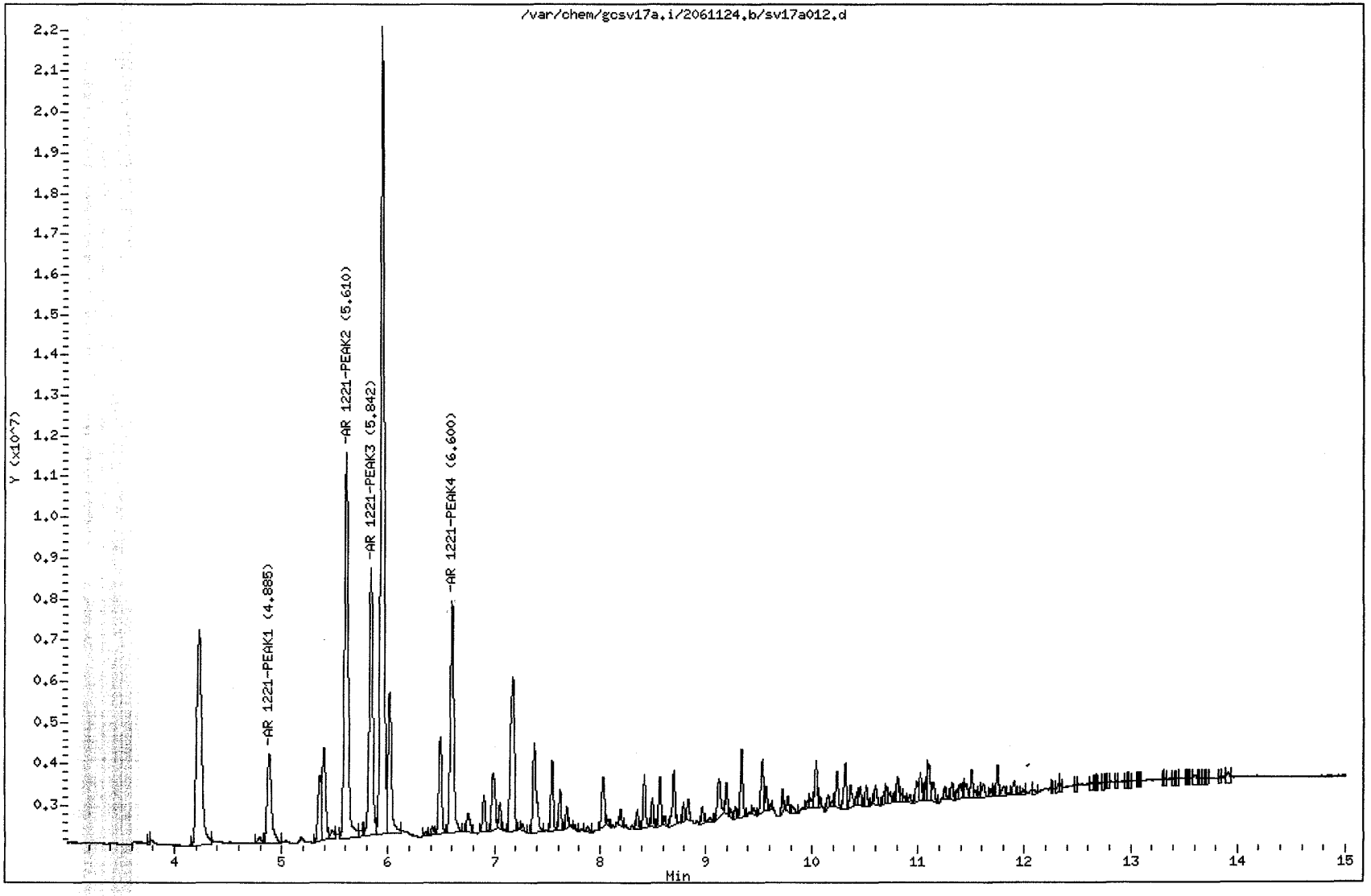
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 37 AR 1221-AVG				55927211	400.000	400
38 AR 1221-PEAK1	4.885	4.885	0.000	6178917	400.000	400
39 AR 1221-PEAK2	5.610	5.610	0.000	22708869	400.000	400
40 AR 1221-PEAK3	5.842	5.842	0.000	14634523	400.000	400
41 AR 1221-PEAK4	6.600	6.600	0.000	12404902	400.000	400

035331

001244

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a012.d
Date : 24-NOV-2006 20:34
Client ID:
Sample Info: 1203*1 65-36-3
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



035332

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a013.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a013.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 20:55
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1203*1 65-36-4
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17a022.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1232.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	42 AR 1232-AVG				164179895	400.000	400
	43 AR 1232-PEAK1	5.946	5.946	0.000	40200519	400.000	400
	44 AR 1232-PEAK2	6.596	6.596	0.000	37811194	400.000	400
	45 AR 1232-PEAK3	7.176	7.176	0.000	62947752	400.000	400
	46 AR 1232-PEAK4	8.426	8.426	0.000	23220430	400.000	400

001245

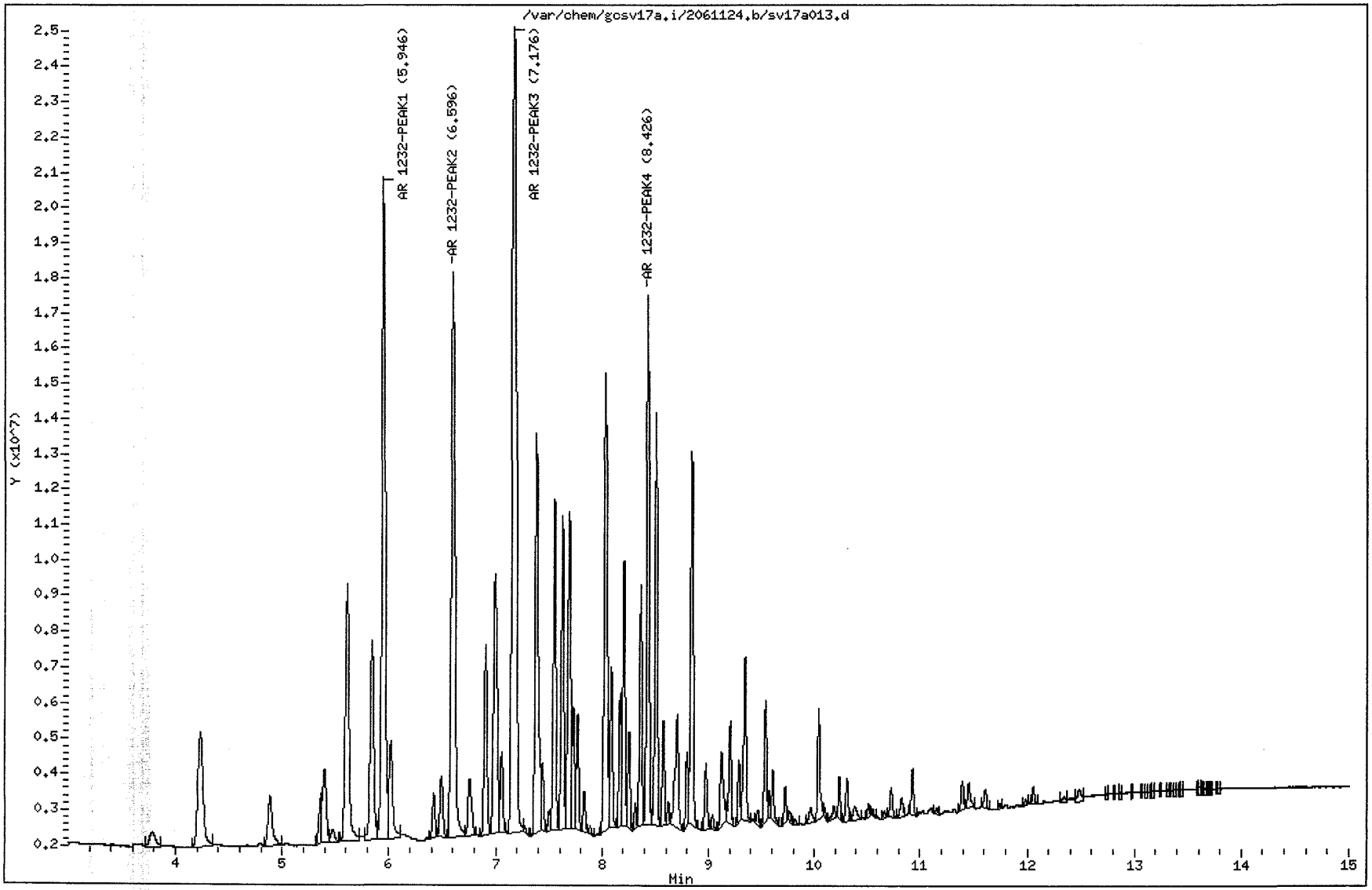
035333

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a013.d
Date : 24-NOV-2006 20:55
Client ID:
Sample Info: 1203x1 65-36-4
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i

Operator: tls
Column diameter: 0.32

001246



035334

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a014.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a014.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 21:17
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1203*1 65-36-5
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17a022.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1242.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	47 AR 1242-AVG				258890978	400.000	400
	48 AR 1242-PEAK1	5.946	5.946	0.000	27869575	400.000	400
	49 AR 1242-PEAK2	6.594	6.594	0.000	63877447	400.000	400
	50 AR 1242-PEAK3	7.174	7.174	0.000	120670379	400.000	400
	51 AR 1242-PEAK4	8.028	8.028	0.000	46473577	400.000	400

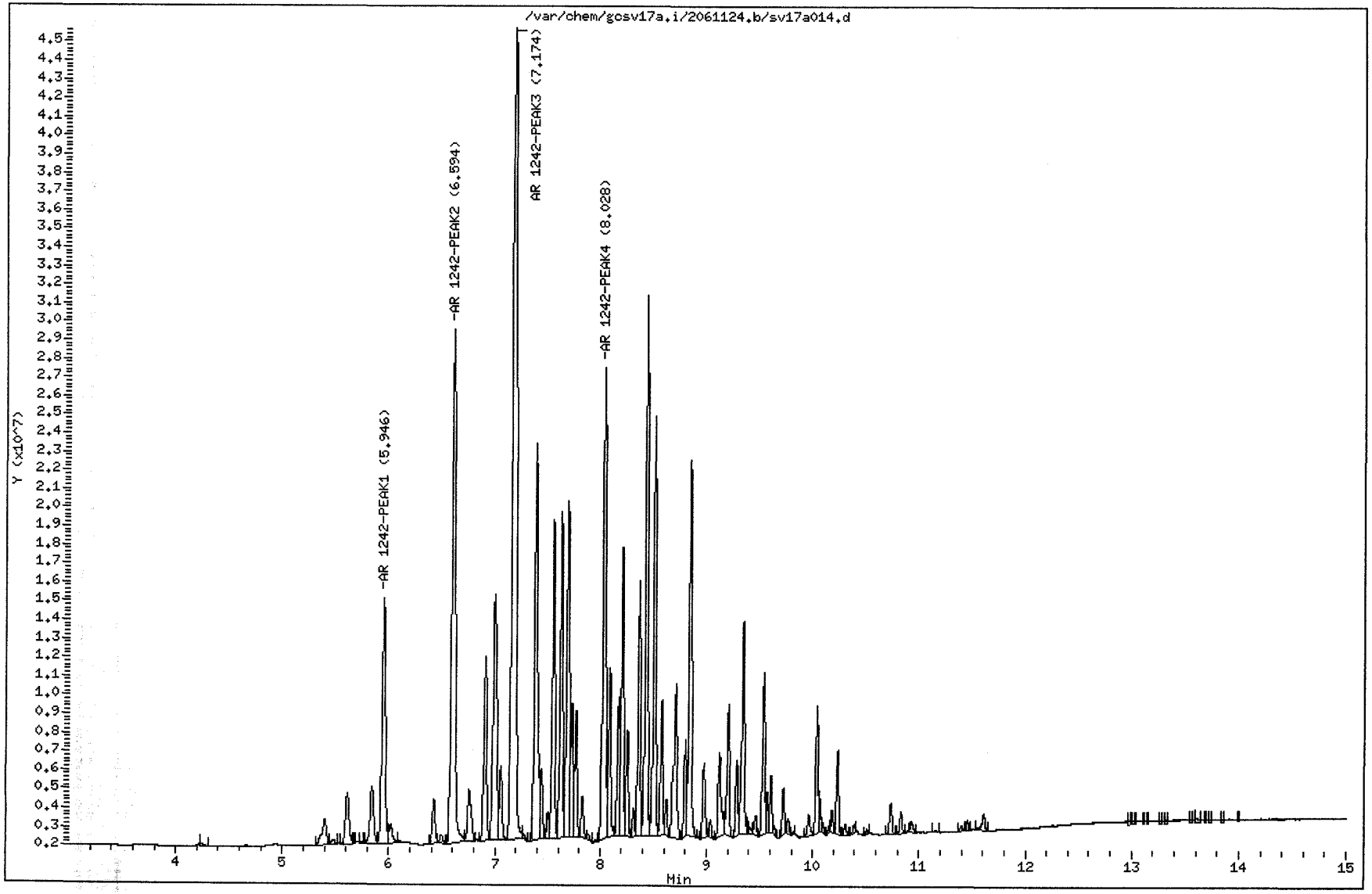
001247

035335

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a014.d
Date : 24-NOV-2006 21:17
Client ID:
Sample Info: 1203x1 65-36-5
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

001248



035336

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a015.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a015.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 21:38
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1203*1 65-36-1
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17a022.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1248.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	52 AR 1248-AVG				263575156	400.000	400
	53 AR 1248-PEAK1	7.158	7.158	0.000	77717396	400.000	400
	54 AR 1248-PEAK2	8.026	8.026	0.000	64608346	400.000	400
	55 AR 1248-PEAK3	8.500	8.500	0.000	61552327	400.000	400
	56 AR 1248-PEAK4	8.837	8.837	0.000	59697087	400.000	400

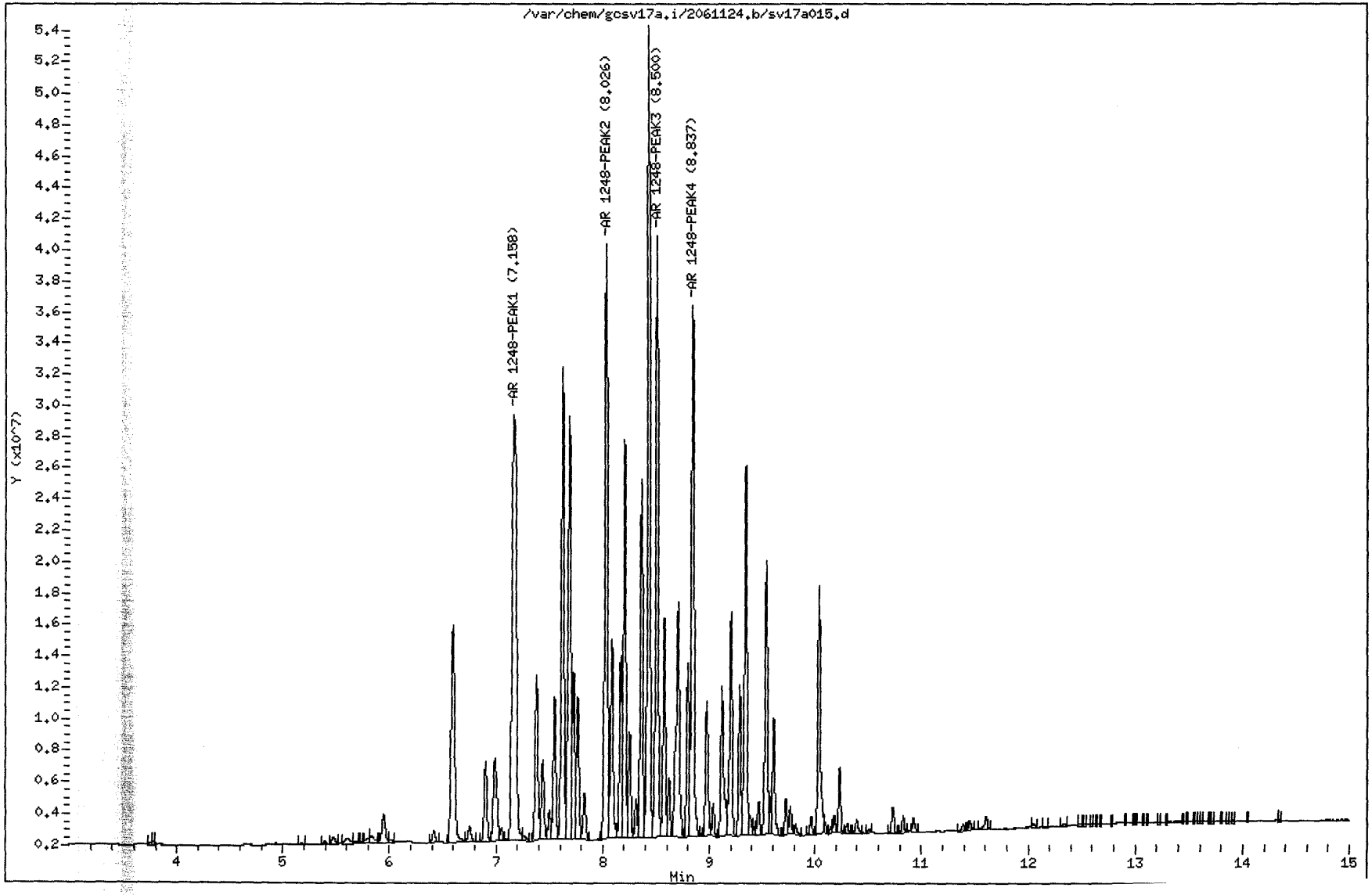
001249

035337

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a015.d
Date : 24-NOV-2006 21:38
Client ID:
Sample Info: 1203x1 65-36-1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

001250



035338

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a016.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a016.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 21:59
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1203*1 65-36-2
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17a022.d
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1254.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 57 AR 1254-AVG				231412643	400.000	400
58 AR 1254-PEAK1	8.795	8.795	0.000	30127927	400.000	400
59 AR 1254-PEAK2	9.117	9.117	0.000	30729366	400.000	400
60 AR 1254-PEAK3	9.202	9.202	0.000	55691892	400.000	400
61 AR 1254-PEAK4	9.341	9.341	0.000	114863458	400.000	400

001251

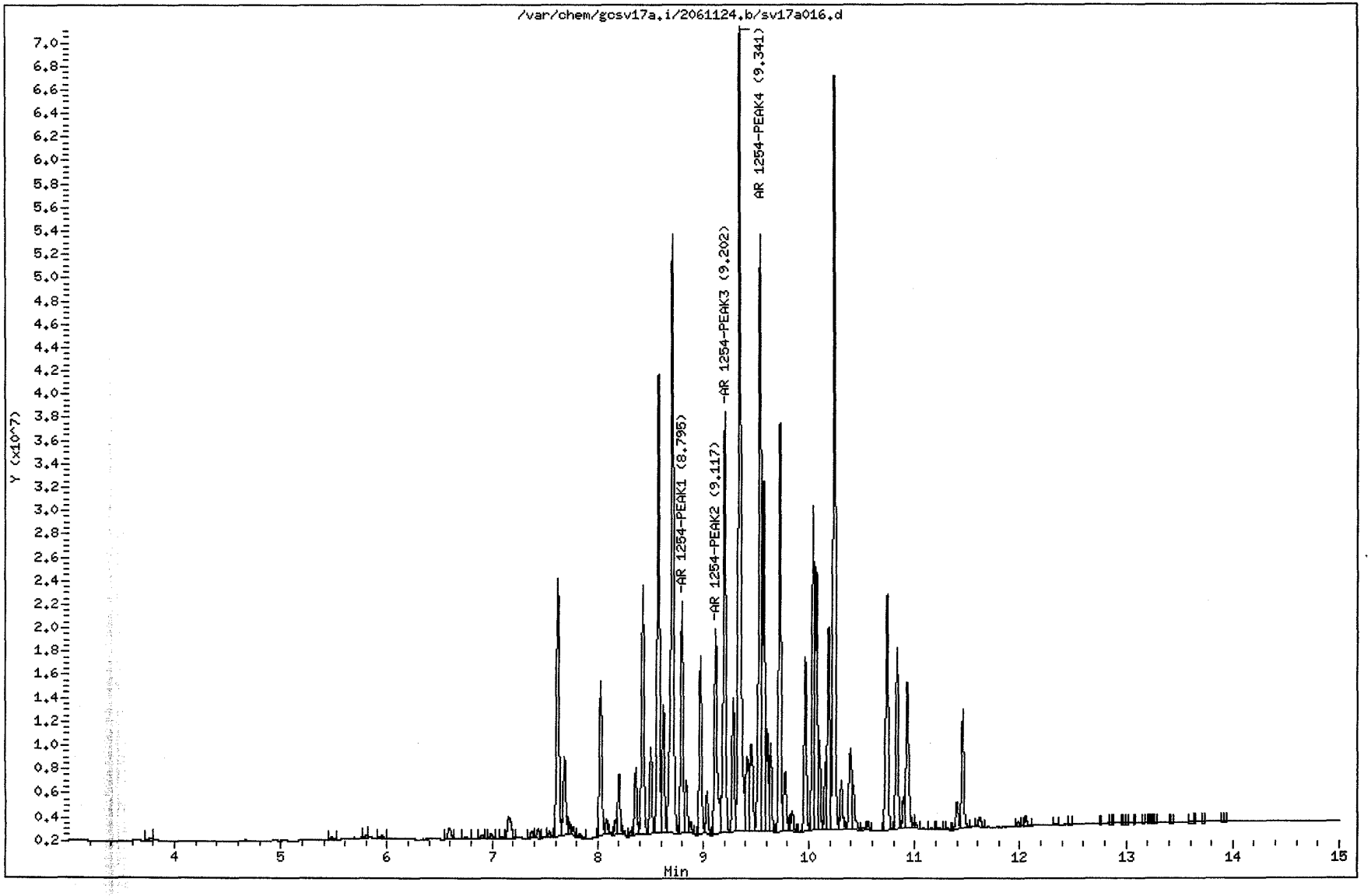
035339

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a016.d
Date : 24-NOV-2006 21:59
Client ID:
Sample Info: 1203x1 65-36-2
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i

Operator: tls
Column diameter: 0.32

001252



035340

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a019.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a019.d
Lab Smp Id: 1206
Inj Date : 24-NOV-2006 23:02
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1206*1 50
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:02 Cal File: sv17a019.d
Als bottle: 19 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

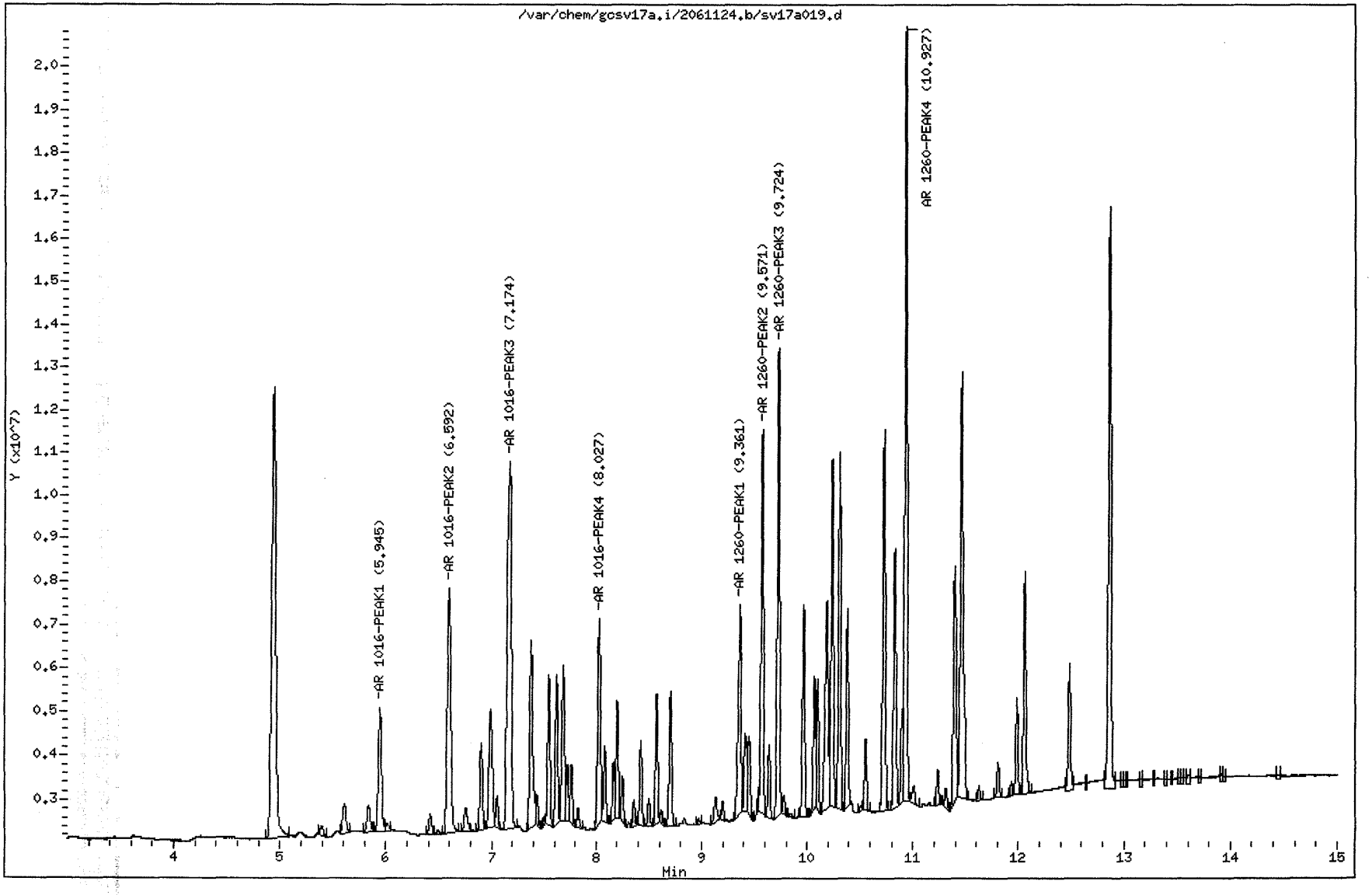
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				50689153	50.0000	57
	24 AR 1016-PEAK1	5.945	5.942	0.003	5943195	50.0000	61
	25 AR 1016-PEAK2	6.592	6.591	0.001	12865475	50.0000	59
	26 AR 1016-PEAK3	7.174	7.171	0.003	23465061	50.0000	56
	27 AR 1016-PEAK4	8.027	8.027	0.000	8415422	50.0000	57
M	28 AR 1260-AVG				64502269	50.0000	54
	29 AR 1260-PEAK1	9.361	9.360	0.001	8745459	50.0000	57
	30 AR 1260-PEAK2	9.571	9.570	0.001	13320666	50.0000	56
	31 AR 1260-PEAK3	9.724	9.721	0.003	15782884	50.0000	56
	32 AR 1260-PEAK4	10.927	10.927	0.000	26653260	50.0000	52

035341

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a019.d
Date : 24-NOV-2006 23:02
Client ID:
Sample Info: 1206*1 50
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

001254



035342

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a020.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a020.d
Lab Smp Id: 1201
Inj Date : 24-NOV-2006 23:23
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1201*1 100
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:23 Cal File: sv17a020.d
Als bottle: 20 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

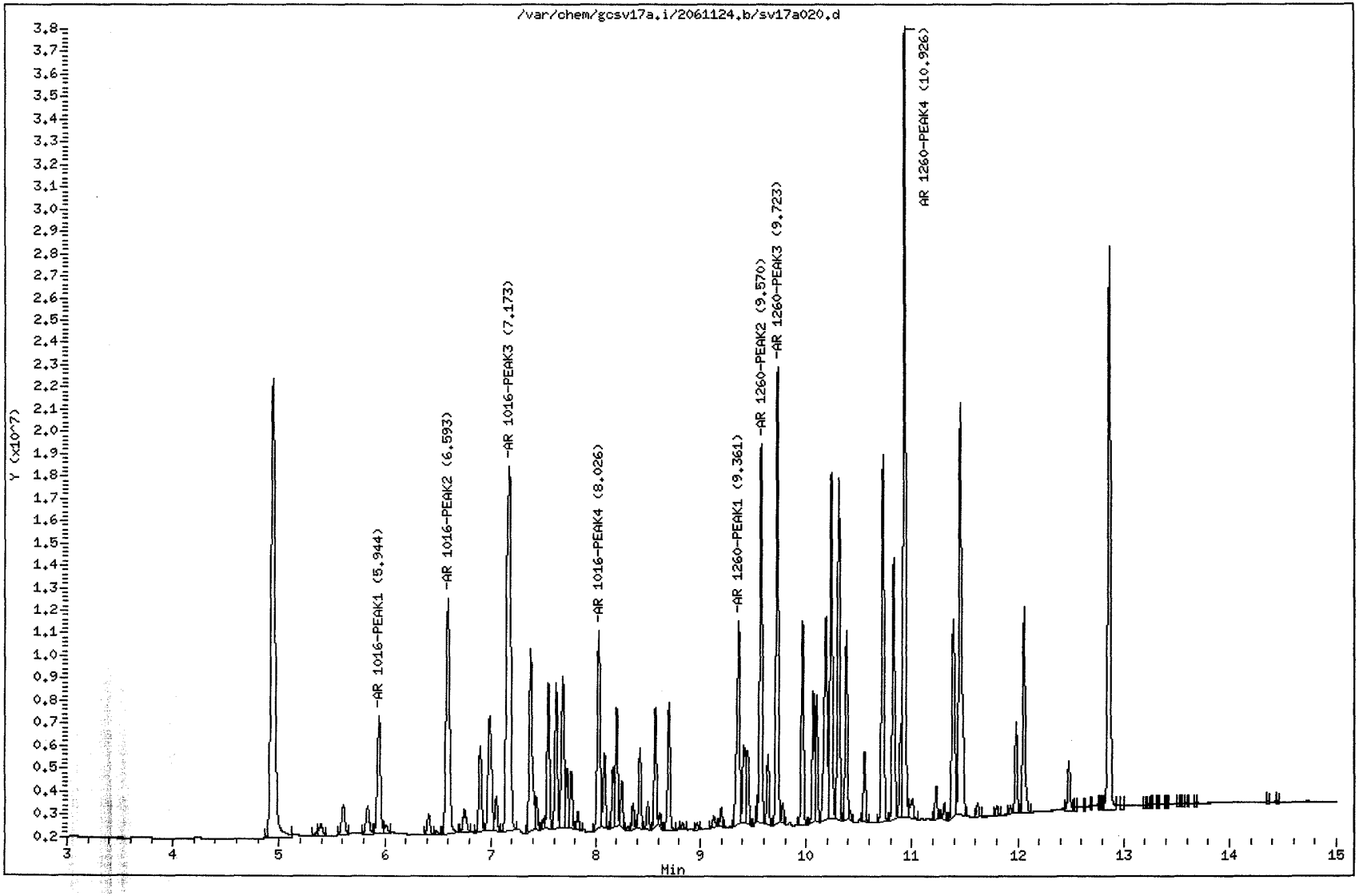
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				95813705	100.000	110
	24 AR 1016-PEAK1	5.944	5.942	0.002	11169861	100.000	110
	25 AR 1016-PEAK2	6.593	6.591	0.002	24193766	100.000	110
	26 AR 1016-PEAK3	7.173	7.171	0.002	44427237	100.000	110
	27 AR 1016-PEAK4	8.026	8.027	-0.001	16022841	100.000	110
M	28 AR 1260-AVG				123199645	100.000	100
	29 AR 1260-PEAK1	9.361	9.360	0.001	16642575	100.000	110
	30 AR 1260-PEAK2	9.570	9.570	0.000	25093394	100.000	110
	31 AR 1260-PEAK3	9.723	9.722	0.001	29621630	100.000	100
	32 AR 1260-PEAK4	10.926	10.927	-0.001	51842046	100.000	100

035343

001256

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a020.d
Date : 24-NOV-2006 23:23
Client ID:
Sample Info: 1201x1 100
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



035344

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a021.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a021.d
Lab Smp Id: 1202
Inj Date : 24-NOV-2006 23:44
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1202*1 200
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:44 Cal File: sv17a021.d
Als bottle: 21 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				180742872	200.000	200
	24 AR 1016-PEAK1	5.944	5.942	0.002	20321622	200.000	210
	25 AR 1016-PEAK2	6.594	6.591	0.003	45194907	200.000	210
	26 AR 1016-PEAK3	7.174	7.172	0.002	85171930	200.000	200
	27 AR 1016-PEAK4	8.026	8.027	-0.001	30054413	200.000	200
M	28 AR 1260-AVG				238994771	200.000	200
	29 AR 1260-PEAK1	9.360	9.360	0.000	31410224	200.000	200
	30 AR 1260-PEAK2	9.570	9.570	0.000	47880609	200.000	200
	31 AR 1260-PEAK3	9.723	9.722	0.001	57012569	200.000	200
	32 AR 1260-PEAK4	10.926	10.927	-0.001	102691369	200.000	200

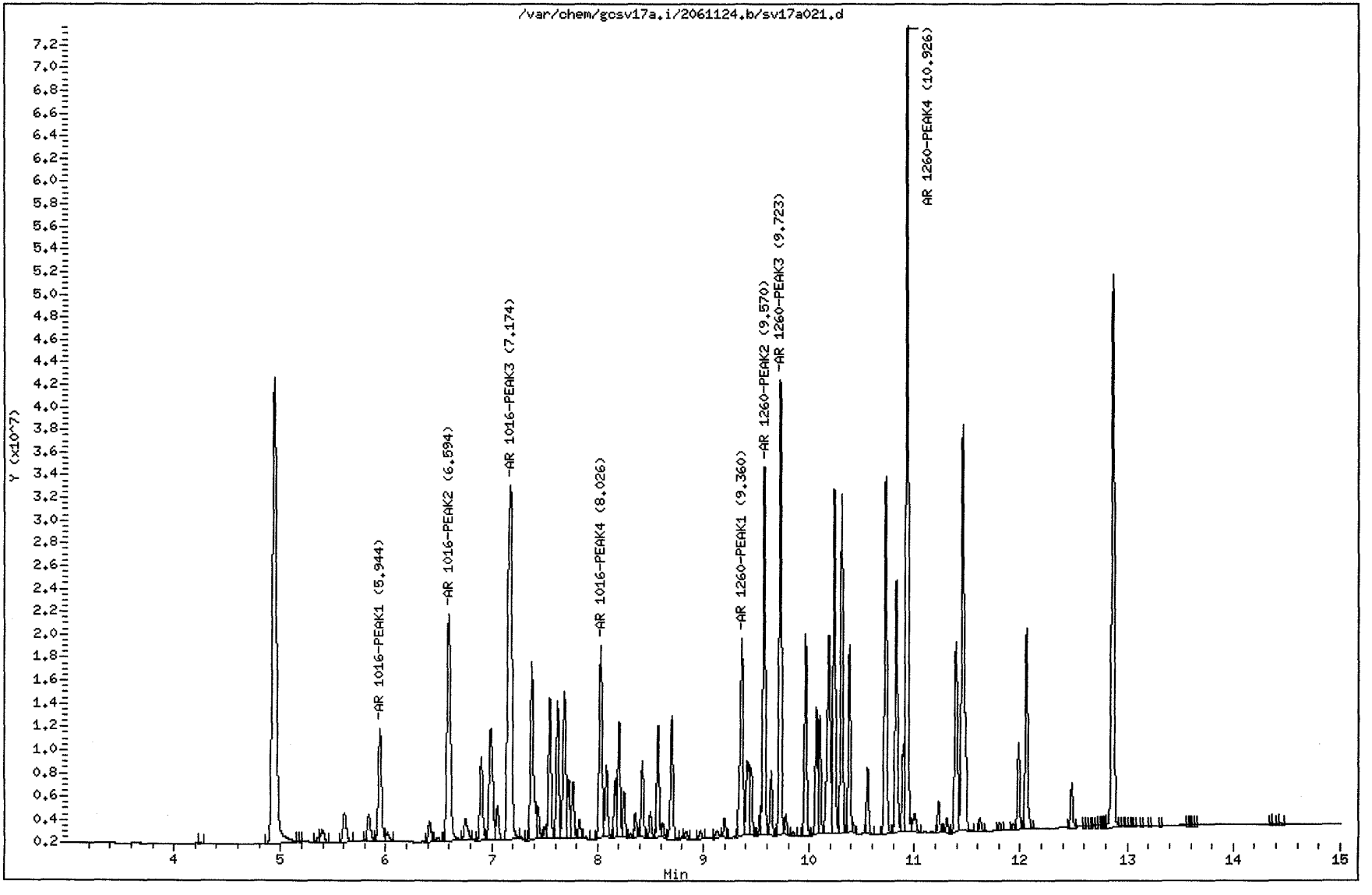
001257

035345

001258

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a021.d
Date : 24-NOV-2006 23:44
Client ID:
Sample Info: 1202x1 200
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



035346

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a022.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a022.d
Lab Smp Id: 1203
Inj Date : 25-NOV-2006 00:05
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1203*1 400
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17a022.d
Als bottle: 22 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

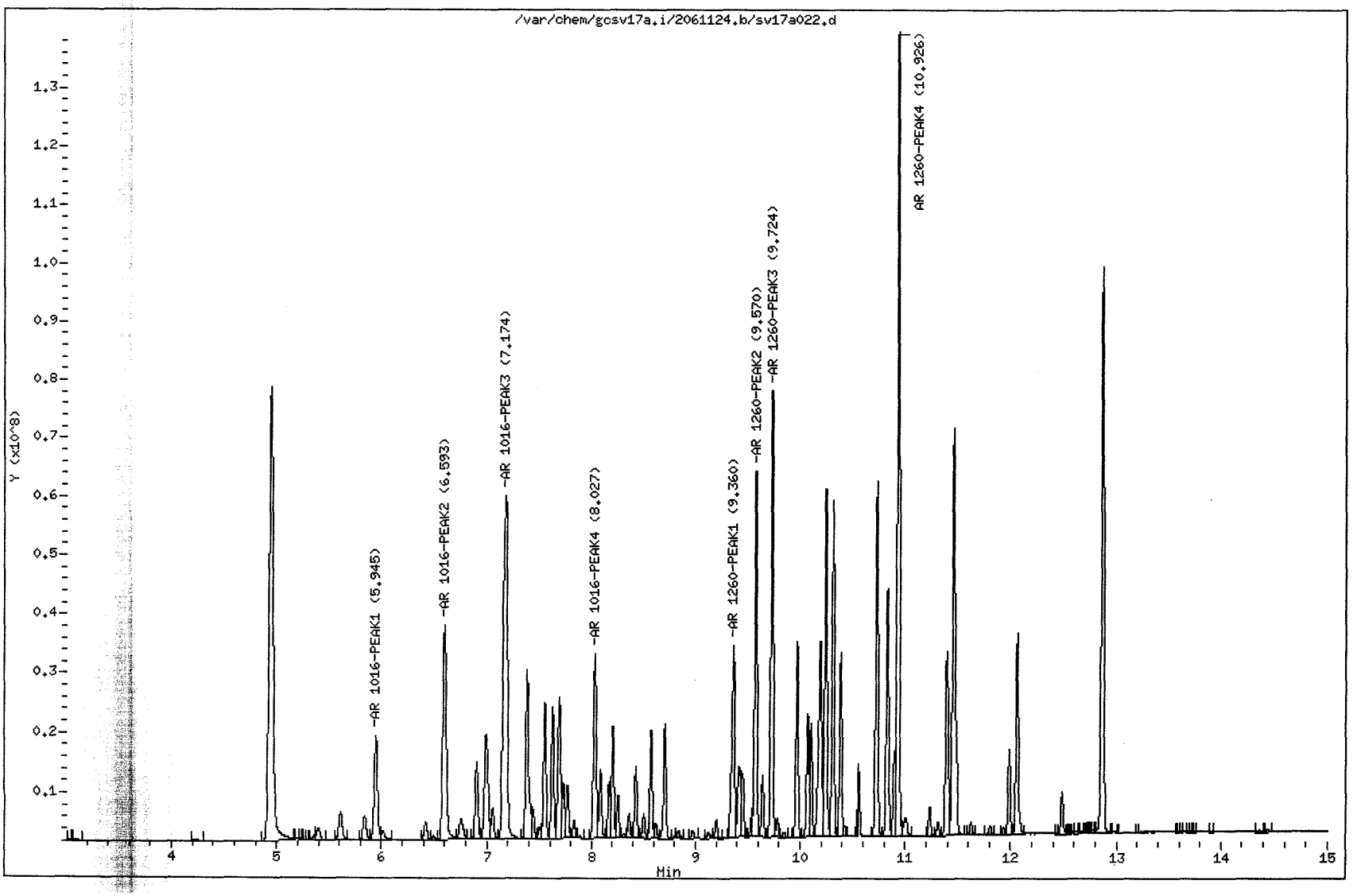
						AMOUNTS	
						CAL-AMT	ON-COL
	Compounds	RT	EXP RT	DLT RT	RESPONSE	(UG/L)	(UG/L)
M	23 AR 1016-AVG				336894934	400.000	380
	24 AR 1016-PEAK1	5.945	5.943	0.002	36533244	400.000	370
	25 AR 1016-PEAK2	6.593	6.592	0.001	83332855	400.000	380
	26 AR 1016-PEAK3	7.174	7.173	0.001	161289152	400.000	390
	27 AR 1016-PEAK4	8.027	8.028	-0.001	55739683	400.000	380
M	28 AR 1260-AVG				457388098	400.000	390
	29 AR 1260-PEAK1	9.360	9.360	0.000	58637540	400.000	380
	30 AR 1260-PEAK2	9.570	9.570	0.000	90735592	400.000	380
	31 AR 1260-PEAK3	9.724	9.722	0.002	108427326	400.000	380
	32 AR 1260-PEAK4	10.926	10.928	-0.002	199587640	400.000	390

035347

001260

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a022.d
Date : 25-NOV-2006 00:05
Client ID:
Sample Info: 1203x1 400
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



035348

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a023.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a023.d
Lab Smp Id: 1204
Inj Date : 25-NOV-2006 00:26
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1204*1 800
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17a023.d
Als bottle: 23 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

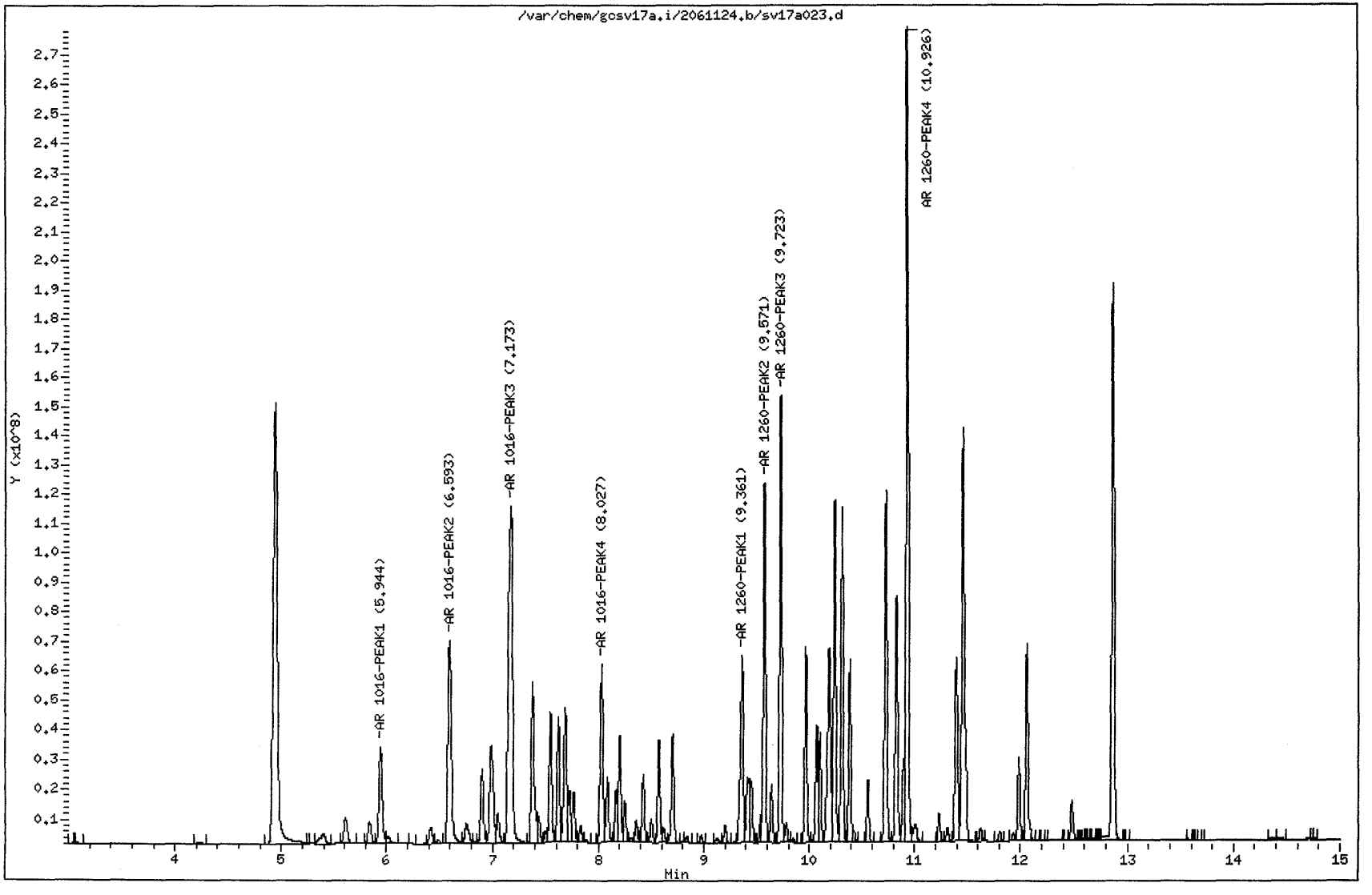
Cpnd Variable Local Compound Variable

		Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23	AR 1016-AVG				641294894	800.000	730
	24	AR 1016-PEAK1	5.944	5.943	0.001	66909748	800.000	680
	25	AR 1016-PEAK2	6.593	6.592	0.001	156730272	800.000	710
	26	AR 1016-PEAK3	7.173	7.173	0.000	311119707	800.000	740
	27	AR 1016-PEAK4	8.027	8.028	-0.001	106535167	800.000	730
M	28	AR 1260-AVG				900582911	800.000	760
	29	AR 1260-PEAK1	9.361	9.360	0.001	112809651	800.000	730
	30	AR 1260-PEAK2	9.571	9.570	0.001	176359731	800.000	740
	31	AR 1260-PEAK3	9.723	9.722	0.001	212198619	800.000	750
	32	AR 1260-PEAK4	10.926	10.927	-0.001	399214910	800.000	780

001262

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a023.d
Date : 25-NOV-2006 00:26
Client ID:
Sample Info: 1204*1 800
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



035350

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a024.d
Report Date: 01-Dec-2006 12:28

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a024.d
Lab Smp Id: 1205
Inj Date : 25-NOV-2006 00:47
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1205*1 65-44-8
Misc Info : GCSV~10629~*
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 01-Dec-2006 12:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 24 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

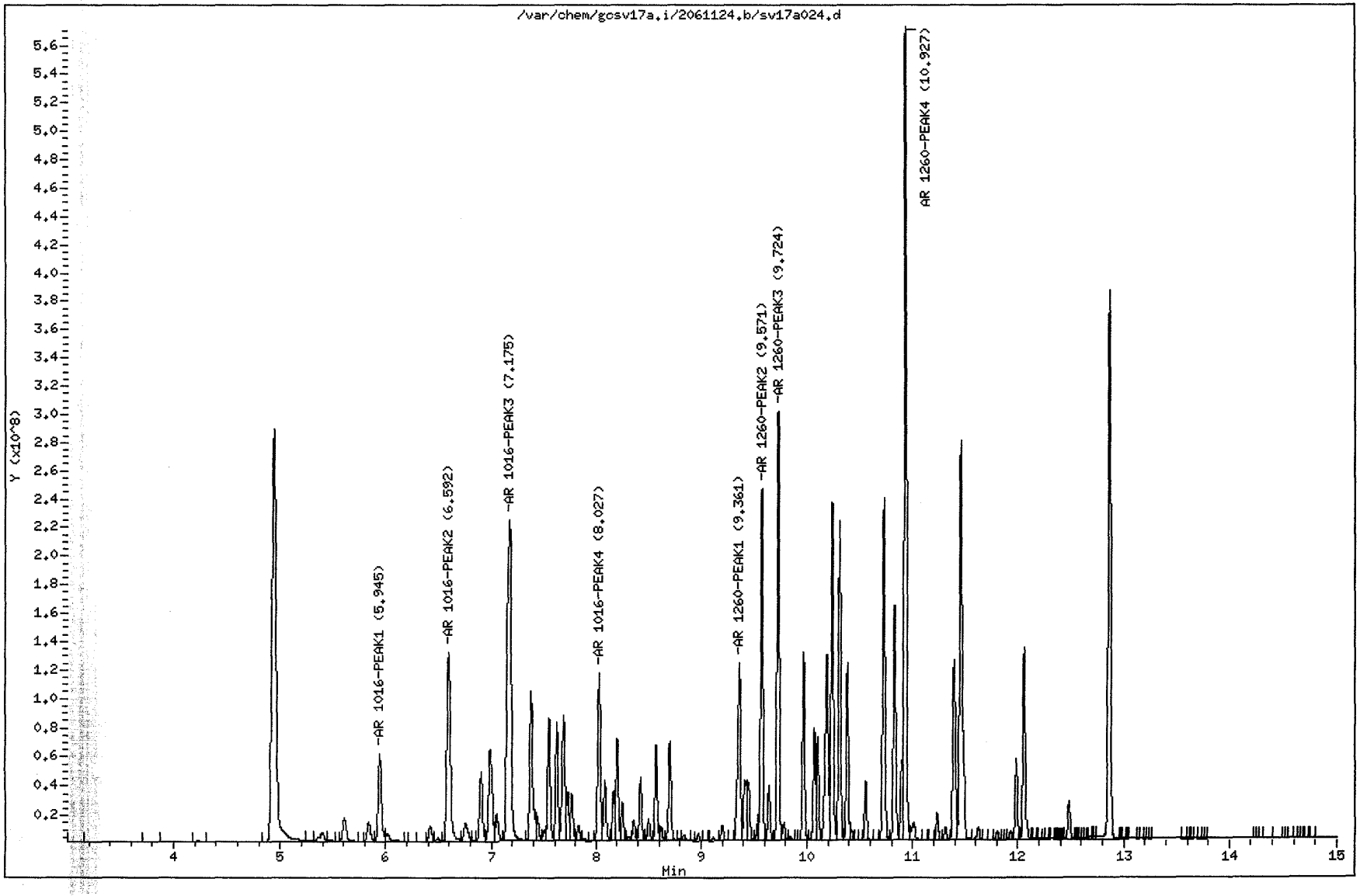
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				1243362580	1600.00	1400
	24 AR 1016-PEAK1	5.945	5.943	0.002	127023267	1600.00	1300
	25 AR 1016-PEAK2	6.592	6.592	0.000	301456949	1600.00	1400
	26 AR 1016-PEAK3	7.175	7.173	0.002	608587731	1600.00	1500
	27 AR 1016-PEAK4	8.027	8.028	-0.001	206294633	1600.00	1400
M	28 AR 1260-AVG				1801276552	1600.00	1500
	29 AR 1260-PEAK1	9.361	9.360	0.001	220956256	1600.00	1400
	30 AR 1260-PEAK2	9.571	9.570	0.001	348560072	1600.00	1500
	31 AR 1260-PEAK3	9.724	9.723	0.001	420968710	1600.00	1500
	32 AR 1260-PEAK4	10.927	10.927	0.000	810791514	1600.00	1600

035351

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a024.d
Date : 25-NOV-2006 00:47
Client ID:
Sample Info: 1205x1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

001264



035352

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a025.d
Report Date: 25-Nov-2006 12:02

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2061124
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/gcsv17a.i/2061124.b/pest35MS.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	360	89.44	85-115
M 28 AR 1260-AVG	400	350	87.74	85-115

035353

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a025.d
Report Date: 25-Nov-2006 12:02

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061124.b/sv17a025.d
Lab Smp Id: 1600
Inj Date : 25-NOV-2006 01:08
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1600*1 65-29-8
Misc Info :
Comment :
Method : /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Meth Date : 25-Nov-2006 12:02 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 25 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

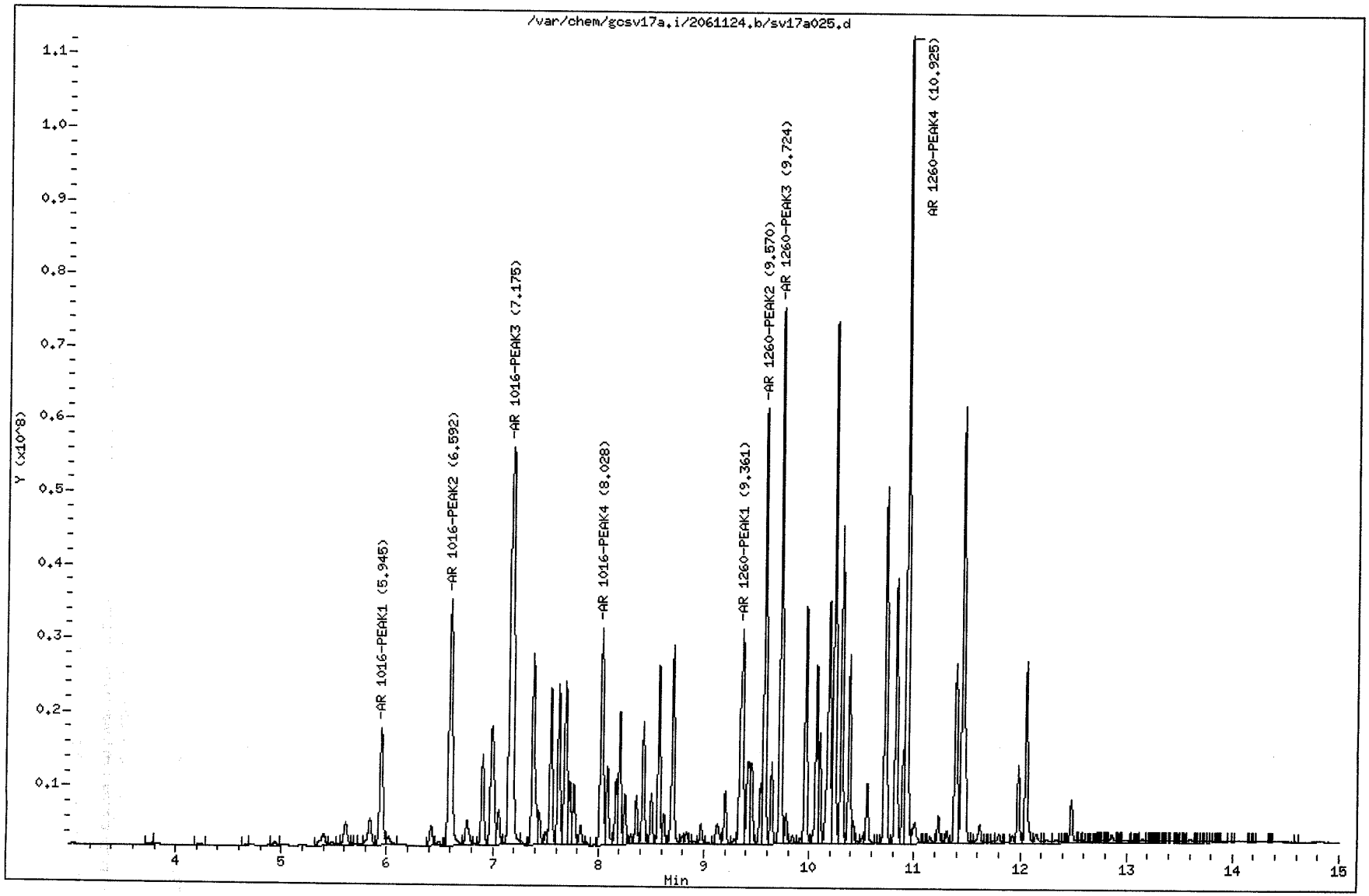
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/L)
M	23 AR 1016-AVG				315812723	357.754	360
	24 AR 1016-PEAK1	5.945	5.943	0.002	33602268	343.739	340
	25 AR 1016-PEAK2	6.592	6.592	0.000	77961152	354.940	350
	26 AR 1016-PEAK3	7.175	7.172	0.003	149835313	357.898	360
	27 AR 1016-PEAK4	8.028	8.028	0.000	54413990	370.894	370
M	28 AR 1260-AVG				416009168	350.963	350
	29 AR 1260-PEAK1	9.361	9.360	0.001	64439690	418.399	420
	30 AR 1260-PEAK2	9.570	9.570	0.000	87409284	368.844	370
	31 AR 1260-PEAK3	9.724	9.722	0.002	105048261	371.554	370
	32 AR 1260-PEAK4	10.925	10.928	-0.003	159111933	311.001	310

Data File: /var/chem/gcsv17a.i/2061124.b/sv17a025.d
Date : 25-NOV-2006 01:08
Client ID:
Sample Info: 1600x1 65-29-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i

Operator: tls
Column diameter: 0.32

001267



035355

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a003.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17a.i
Lab File ID: sv17a003.d
Analysis Type: WATER
Lab Sample ID: 1400
Method: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m

Injection Date: 04-JAN-2007 13:25
Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Init. Cal. Times: 17:04 00:47
Quant Type: ESTD

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	882765	827111	0.010	6.30459	15.00000	Averaged
24 AR 1016-PEAK1	97755	87815	0.010	10.16786	15.00000	Averaged
25 AR 1016-PEAK2	219646	206659	0.010	5.91294	15.00000	Averaged
26 AR 1016-PEAK3	418654	394954	0.010	5.66085	15.00000	Averaged
27 AR 1016-PEAK4	146710	137682	0.010	6.15378	15.00000	Averaged
M 28 AR 1260-AVG	1185335	1194812	0.010	-0.79946	15.00000	Averaged
29 AR 1260-PEAK1	154015	143849	0.010	6.60091	15.00000	Averaged
30 AR 1260-PEAK2	236981	235704	0.010	0.53887	15.00000	Averaged
31 AR 1260-PEAK3	282726	278847	0.010	1.37224	15.00000	Averaged
32 AR 1260-PEAK4	511612	536412	0.010	-4.84730	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 4.83588
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001268

035356

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a003.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a003.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2007 13:25
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 3 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

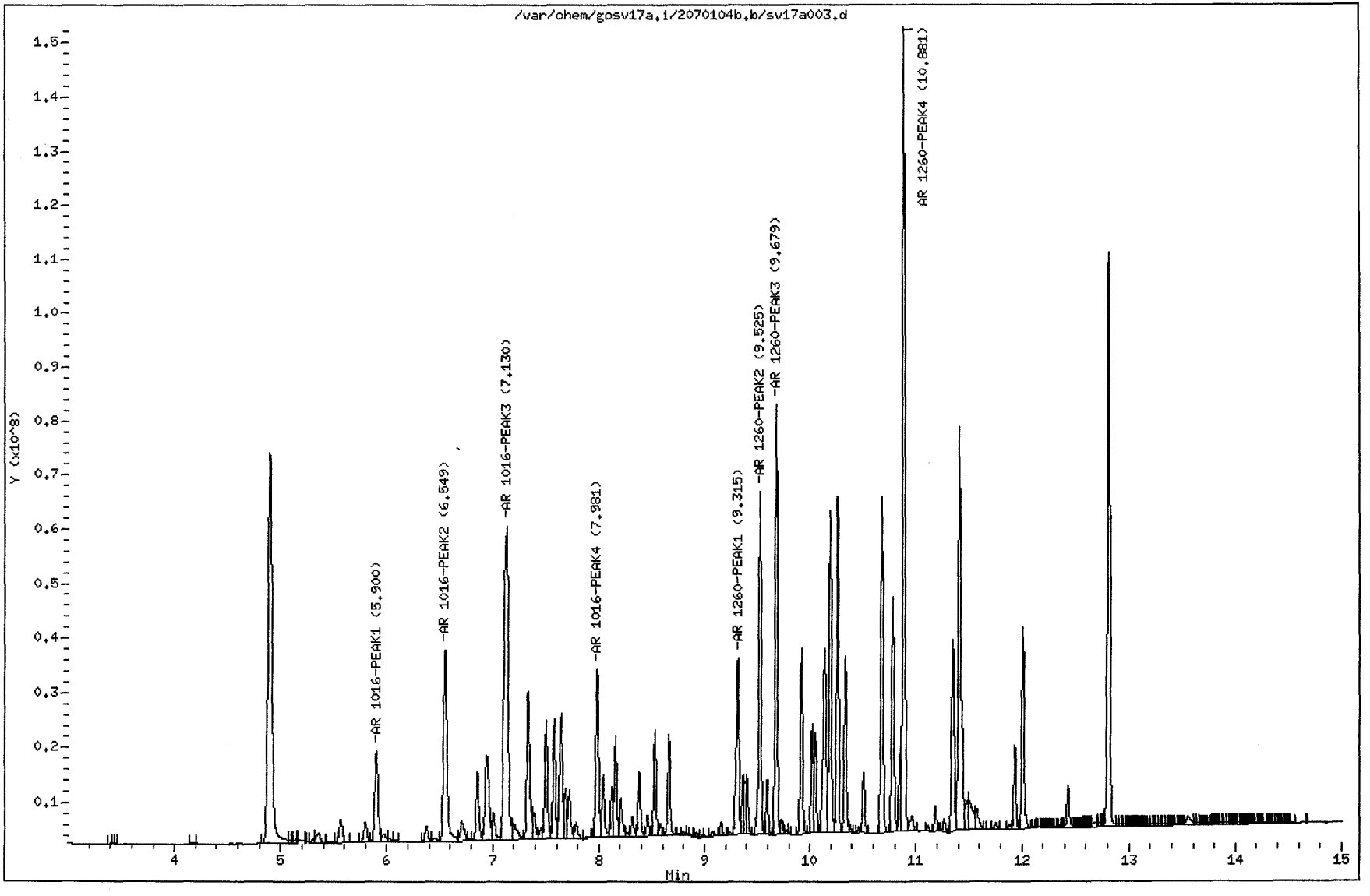
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				330844247	400.000	370
	24 AR 1016-PEAK1	5.900	5.905	-0.005	35126191	400.000	360
	25 AR 1016-PEAK2	6.549	6.553	-0.004	82663468	400.000	380
	26 AR 1016-PEAK3	7.130	7.134	-0.004	157981794	400.000	380
	27 AR 1016-PEAK4	7.981	7.988	-0.007	55072794	400.000	380
M	28 AR 1260-AVG				477924677	400.000	400
	29 AR 1260-PEAK1	9.315	9.321	-0.006	57539418	400.000	370
	30 AR 1260-PEAK2	9.525	9.531	-0.006	94281795	400.000	400
	31 AR 1260-PEAK3	9.679	9.684	-0.005	111538721	400.000	390
	32 AR 1260-PEAK4	10.881	10.887	-0.006	214564743	400.000	420

035357

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a003.d
Date : 04-JAN-2007 13:25
Client ID:
Sample Info: 1400x1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

001270



035358

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a011.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17a.i Injection Date: 04-JAN-2007 16:58
Lab File ID: sv17a011.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:04 00:47
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	882765	786233	0.010	10.93527	15.00000	Averaged
24 AR 1016-PEAK1	97755	84368	0.010	13.69451	15.00000	Averaged
25 AR 1016-PEAK2	219646	197876	0.010	9.91131	15.00000	Averaged
26 AR 1016-PEAK3	418654	375819	0.010	10.23155	15.00000	Averaged
27 AR 1016-PEAK4	146710	128169	0.010	12.63794	15.00000	Averaged
M 28 AR 1260-AVG	1185335	1140218	0.010	3.80629	15.00000	Averaged
29 AR 1260-PEAK1	154015	137007	0.010	11.04328	15.00000	Averaged
30 AR 1260-PEAK2	236981	224179	0.010	5.40225	15.00000	Averaged
31 AR 1260-PEAK3	282726	267098	0.010	5.52760	15.00000	Averaged
32 AR 1260-PEAK4	511612	511934	0.010	-0.06280	15.00000	Averaged

Average %D / Drift Results.
Calculated Average %D/Drift = 8.32528
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001271

035359

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a011.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a011.d
Lab Smp Id: 1400
Inj Date : 04-JAN-2007 16:58
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 11 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

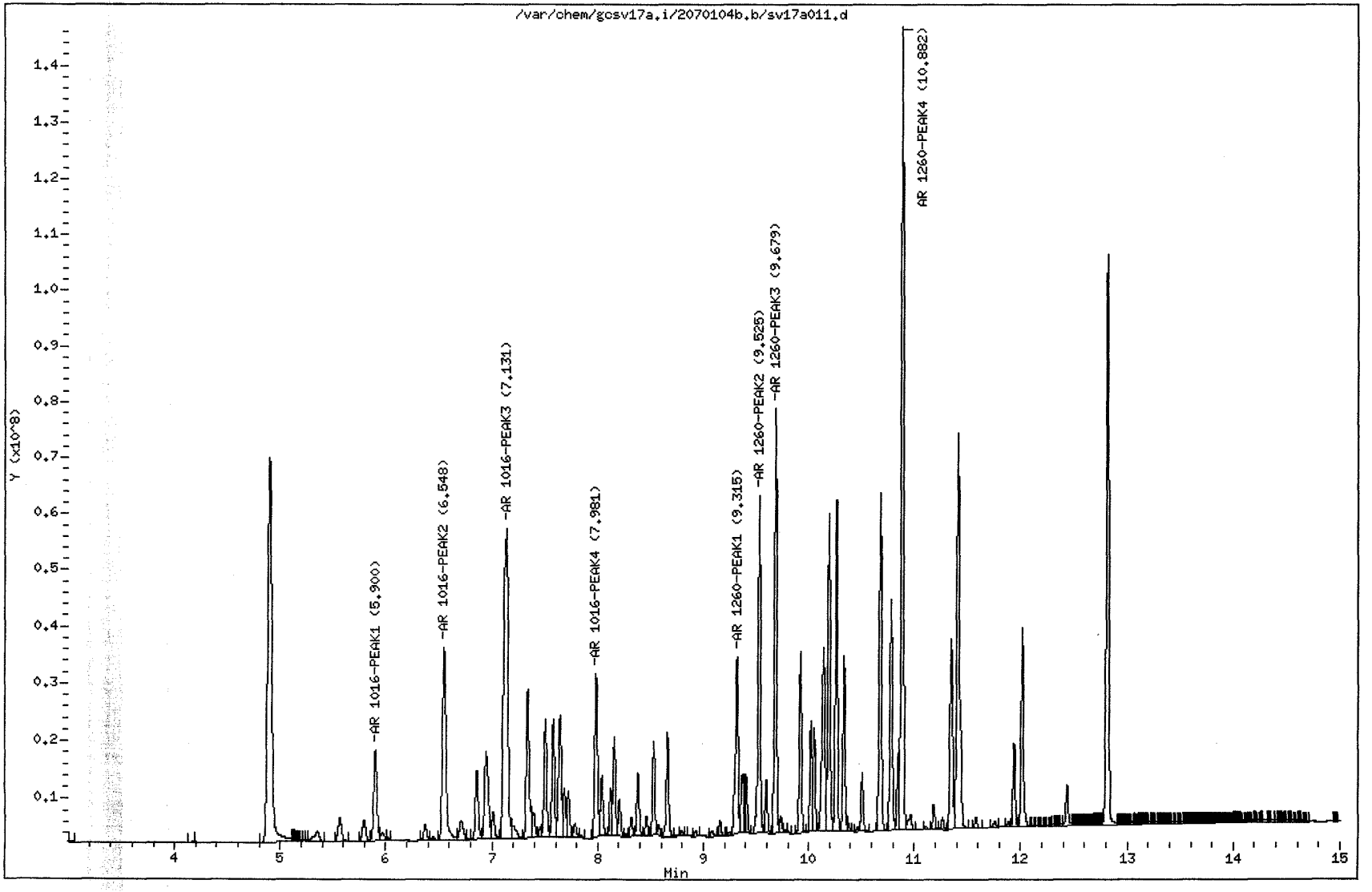
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				314493013	400.000	360
	24 AR 1016-PEAK1	5.900	5.905	-0.005	33747198	400.000	350
	25 AR 1016-PEAK2	6.548	6.553	-0.005	79150556	400.000	360
	26 AR 1016-PEAK3	7.131	7.134	-0.003	150327635	400.000	360
	27 AR 1016-PEAK4	7.981	7.988	-0.007	51267624	400.000	350
M	28 AR 1260-AVG				456087227	400.000	380
	29 AR 1260-PEAK1	9.315	9.321	-0.006	54802656	400.000	360
	30 AR 1260-PEAK2	9.525	9.531	-0.006	89671667	400.000	380
	31 AR 1260-PEAK3	9.679	9.685	-0.006	106839390	400.000	380
	32 AR 1260-PEAK4	10.882	10.887	-0.005	204773514	400.000	400

035360

001273

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a011.d
Date : 04-JAN-2007 16:58
Client ID:
Sample Info: 1400x1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



035361

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a039.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17a.i Injection Date: 05-JAN-2007 09:50
Lab File ID: sv17a039.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:04 00:47
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
M 23 AR 1016-AVG	882765	791537	0.010	10.33435	15.00000	Averaged	
24 AR 1016-PEAK1	97755	82027	0.010	16.08962	15.00000	Averaged	<-
25 AR 1016-PEAK2	219646	196777	0.010	10.41179	15.00000	Averaged	
26 AR 1016-PEAK3	418654	383186	0.010	8.47191	15.00000	Averaged	
27 AR 1016-PEAK4	146710	129548	0.010	11.69827	15.00000	Averaged	
M 28 AR 1260-AVG	1185335	1157279	0.010	2.36695	15.00000	Averaged	
29 AR 1260-PEAK1	154015	137724	0.010	10.57775	15.00000	Averaged	
30 AR 1260-PEAK2	236981	230119	0.010	2.89599	15.00000	Averaged	
31 AR 1260-PEAK3	282726	271185	0.010	4.08216	15.00000	Averaged	
32 AR 1260-PEAK4	511612	518252	0.010	-1.29772	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 7.82265
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001274

035362

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a039.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a039.d
Lab Smp Id: 1400
Inj Date : 05-JAN-2007 09:50
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 39 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

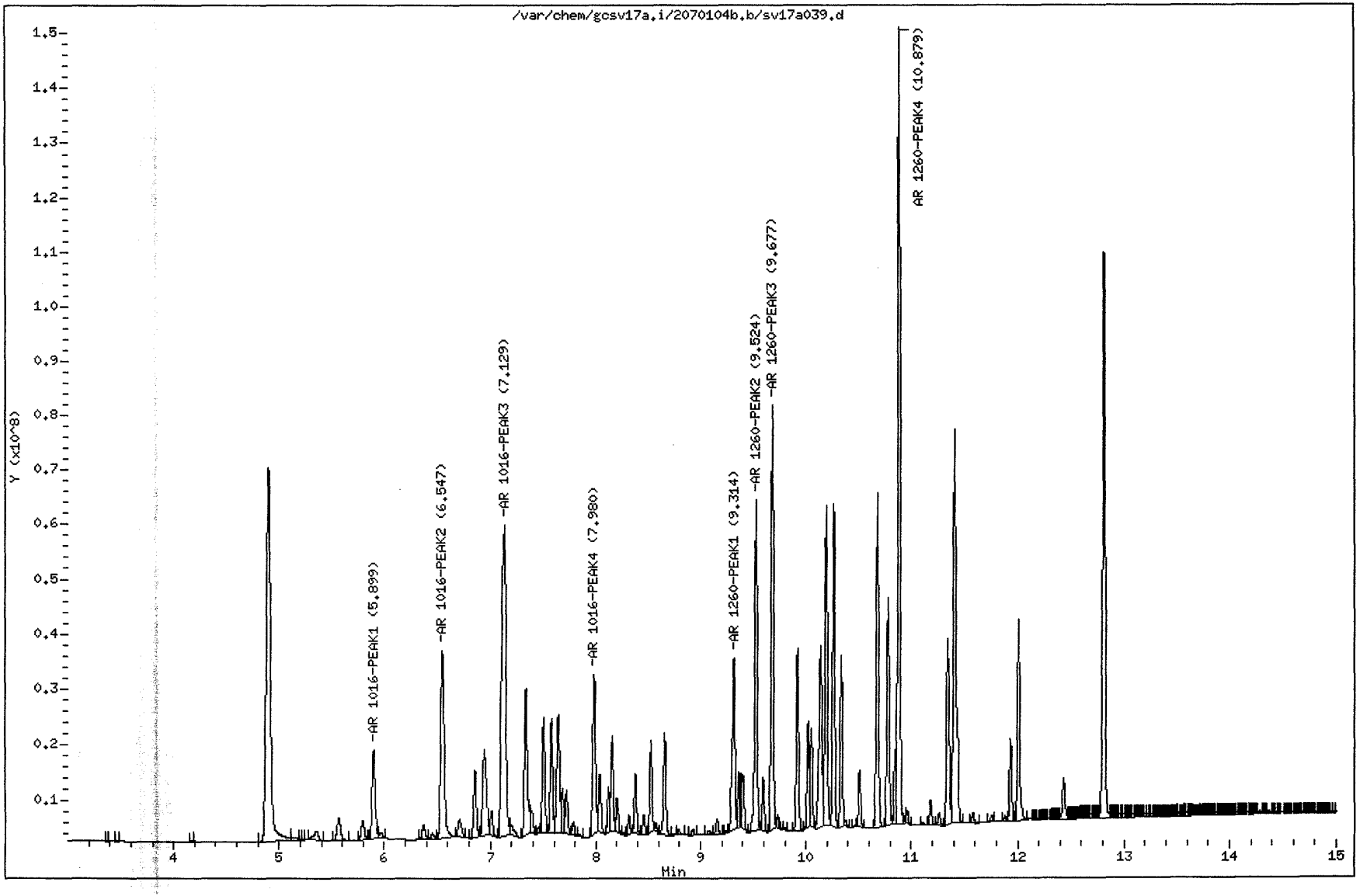
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				316614913	400.000	360
	24 AR 1016-PEAK1	5.899	5.905	-0.006	32810663	400.000	340
	25 AR 1016-PEAK2	6.547	6.553	-0.006	78710844	400.000	360
	26 AR 1016-PEAK3	7.129	7.134	-0.005	153274347	400.000	370
	27 AR 1016-PEAK4	7.980	7.988	-0.008	51819059	400.000	350
M	28 AR 1260-AVG				462911634	400.000	390
	29 AR 1260-PEAK1	9.314	9.321	-0.007	55089451	400.000	360
	30 AR 1260-PEAK2	9.524	9.531	-0.007	92047412	400.000	390
	31 AR 1260-PEAK3	9.677	9.684	-0.007	108474047	400.000	380
	32 AR 1260-PEAK4	10.879	10.887	-0.008	207300724	400.000	410

035363

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a039.d
Date : 05-JAN-2007 09:50
Client ID:
Sample Info: 1400x1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32

091276



035364

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a052.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17a.i Injection Date: 05-JAN-2007 16:26
Lab File ID: sv17a052.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:04 00:47
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	%D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE
M 23 AR 1016-AVG	882765	806559	0.010	8.63271	15.00000	Averaged
24 AR 1016-PEAK1	97755	83370	0.010	14.71578	15.00000	Averaged
25 AR 1016-PEAK2	219646	201008	0.010	8.48573	15.00000	Averaged
26 AR 1016-PEAK3	418654	391812	0.010	6.41143	15.00000	Averaged
27 AR 1016-PEAK4	146710	130369	0.010	11.13821	15.00000	Averaged
M 28 AR 1260-AVG	1185335	1181494	0.010	0.32407	15.00000	Averaged
29 AR 1260-PEAK1	154015	134636	0.010	12.58275	15.00000	Averaged
30 AR 1260-PEAK2	236981	234299	0.010	1.13180	15.00000	Averaged
31 AR 1260-PEAK3	282726	279587	0.010	1.11030	15.00000	Averaged
32 AR 1260-PEAK4	511612	532972	0.010	-4.17489	15.00000	Averaged

Average %D / Drift Results.

Calculated Average %D/Drift = 6.87077
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001277

035365

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a052.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a052.d
Lab Smp Id: 1400
Inj Date : 05-JAN-2007 16:26
Operator : tls Inst ID: gcsv17a.i
Smp Info : 1400*1 65-44-8
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 52 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				322623500	400.000	370
	24 AR 1016-PEAK1	5.900	5.905	-0.005	33347861	400.000	340
	25 AR 1016-PEAK2	6.548	6.553	-0.005	80403054	400.000	370
	26 AR 1016-PEAK3	7.130	7.134	-0.004	156724861	400.000	370
	27 AR 1016-PEAK4	7.981	7.988	-0.007	52147724	400.000	360
M	28 AR 1260-AVG				472597627	400.000	400
	29 AR 1260-PEAK1	9.315	9.321	-0.006	53854248	400.000	350
	30 AR 1260-PEAK2	9.525	9.531	-0.006	93719733	400.000	400
	31 AR 1260-PEAK3	9.678	9.684	-0.006	111834946	400.000	400
	32 AR 1260-PEAK4	10.881	10.887	-0.006	213188700	400.000	420

001278

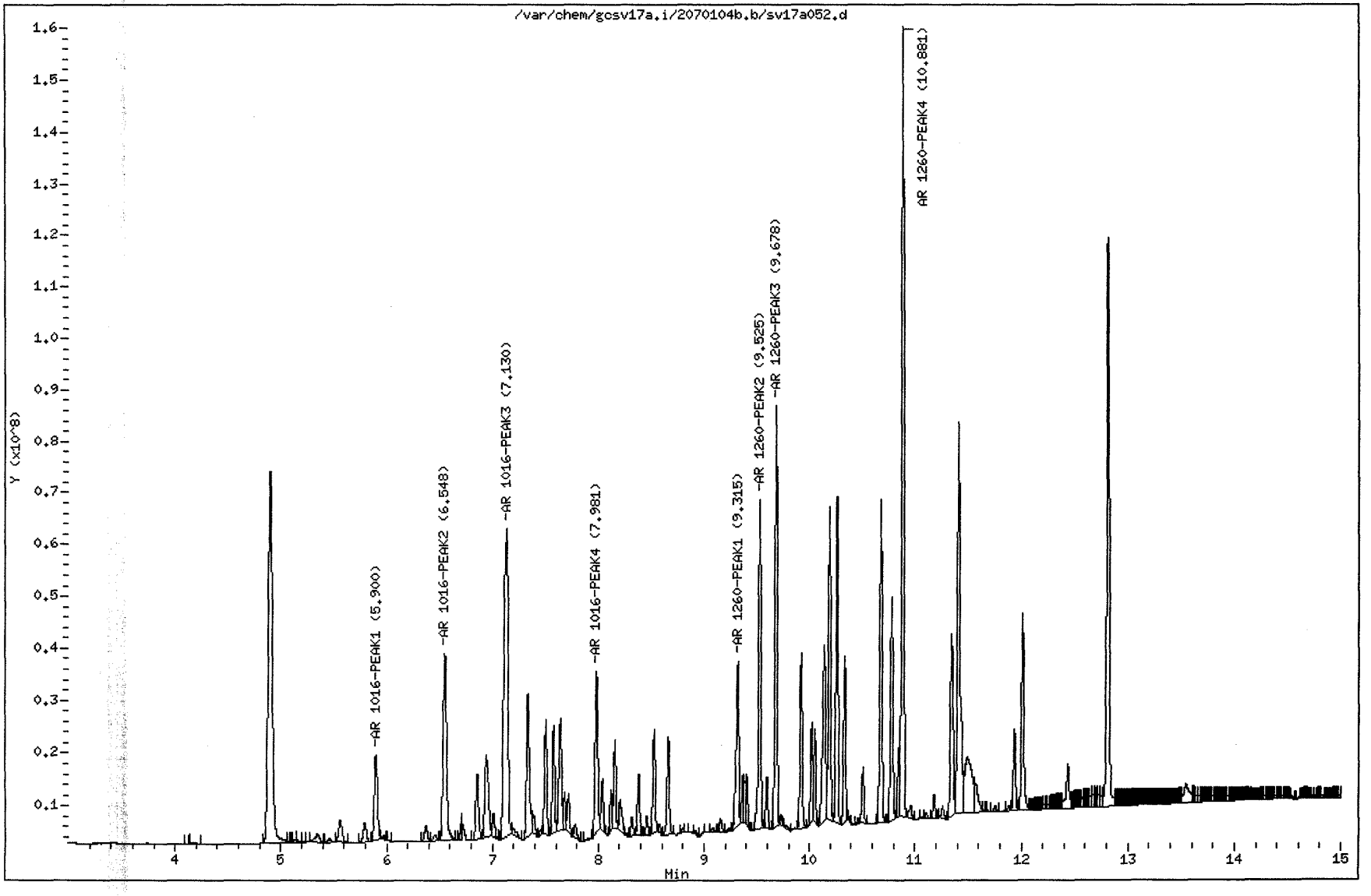
035366

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a052.d
Date : 05-JAN-2007 16:26
Client ID:
Sample Info: 1400X1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i

Operator: tls
Column diameter: 0.32

001279



035367

Report Date : 10-Jan-2007 13:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

Calibration File Names:
Level 1: /var/chem/gcsv17b.i/2061124.b/sv17b020.d
Level 2: /var/chem/gcsv17b.i/2061124.b/sv17b021.d
Level 3: /var/chem/gcsv17b.i/2061124.b/sv17b022.d
Level 4: /var/chem/gcsv17b.i/2061124.b/sv17b023.d
Level 5: /var/chem/gcsv17b.i/2061124.b/sv17b024.d
Level 6: /var/chem/gcsv17b.i/2061124.b/sv17b019.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	5573631	5867048	5987410	6069567	5979131	6256434	5955537	3.820
	3 gamma-BHC (Lindane)	4966837	5105488	5155551	5213850	5145699	+++++	5117485	1.811
	4 Heptachlor	4166567	4216870	4206938	4214590	4150998	+++++	4191193	0.723
	5 Aldrin	5426425	5416124	5299595	5311637	5197941	+++++	5330344	1.765
	6 beta-BHC	2736528	2524643	2456730	2467558	2412102	+++++	2519512	5.071
	7 delta-BHC	4306836	4477484	4587486	4659910	4612614	+++++	4528866	3.114
	8 Heptachlor epoxide	4795319	4770737	4621950	4637287	4543994	+++++	4673857	2.270
	9 Endosulfan I	4373592	4461270	4364235	4412015	4272621	+++++	4376746	1.591
	10 gamma-Chlordane	4746048	4752585	4706548	4732206	4633526	+++++	4714183	1.027
	11 alpha-Chlordane	4598631	4559106	4506607	4498743	4435501	+++++	4519717	1.377
	12 4,4'-DDE	5051357	4827316	4650089	4659895	4576220	+++++	4752976	4.006
	13 Dieldrin	4894884	4803471	4712778	4778812	4699777	+++++	4777944	1.644
	14 Endrin	3815444	3651358	3556286	3564293	3551897	+++++	3627856	3.103
	15 4,4'-DDD	3903458	3736759	3701016	3729404	3686304	+++++	3751388	2.331
	16 Endosulfan II	4066858	3915061	3859333	3894927	3848052	+++++	3916846	2.249
	17 4,4'-DDT	2997306	3127219	3255971	3313214	3327594	+++++	3204261	4.373
	18 Endrin aldehyde	3378183	3178574	3116398	3148162	3092300	+++++	3182724	3.582
	19 Methoxychlor	1458597	1432601	1510712	1562723	1584451	+++++	1509817	4.312
	20 Endosulfan sulfate	2663258	2651695	2799514	2855434	2863136	+++++	2766607	3.712
	21 Endrin ketone	3938980	3677380	3701996	3751060	3745728	+++++	3763029	2.738
M	23 AR 1016-AVG	493379	459838	424886	397099	374372	514282	443976	12.354

001280

035368

Report Date : 10-Jan-2007 13:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	24 AR 1016-PEAK1	105844	97304	88658	81769	77606	112506	93948	14.599
	25 AR 1016-PEAK2	142173	131473	119702	110099	102675	150886	126168	14.816
	26 AR 1016-PEAK3	122595	115557	108528	103254	97493	124881	112051	9.693
	27 AR 1016-PEAK4	122767	115504	107998	101977	96599	126009	111809	10.414
M	28 AR 1260-AVG	1419987	1354281	1285892	1237478	1199901	1446034	1323929	7.505
	29 AR 1260-PEAK1	257749	241366	225418	214771	205398	267844	235425	10.427
	30 AR 1260-PEAK2	304294	288406	272911	261107	249708	309181	280935	8.471
	31 AR 1260-PEAK3	332507	318730	303083	291636	282320	337494	310962	7.168
	32 AR 1260-PEAK4	525437	505778	484480	469964	462475	531515	496608	5.805
M	33 AR 1260-AVGII	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	34 AR 1260-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	35 AR 1260-PEAK6	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	36 AR 1260-PEAK7	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	37 AR 1221-AVG	+++++	+++++	117514	+++++	+++++	+++++	117514	0.000
	38 AR 1221-PEAK1	+++++	+++++	13855	+++++	+++++	+++++	13855	0.000
	39 AR 1221-PEAK2	+++++	+++++	19094	+++++	+++++	+++++	19094	0.000
	40 AR 1221-PEAK3	+++++	+++++	51420	+++++	+++++	+++++	51420	0.000
	41 AR 1221-PEAK4	+++++	+++++	33145	+++++	+++++	+++++	33145	0.000
M	42 AR 1232-AVG	+++++	+++++	284640	+++++	+++++	+++++	284640	0.000
	43 AR 1232-PEAK1	+++++	+++++	105626	+++++	+++++	+++++	105626	0.000
	44 AR 1232-PEAK2	+++++	+++++	87943	+++++	+++++	+++++	87943	0.000
	45 AR 1232-PEAK3	+++++	+++++	43152	+++++	+++++	+++++	43152	0.000
	46 AR 1232-PEAK4	+++++	+++++	47919	+++++	+++++	+++++	47919	0.000
M	47 AR 1242-AVG	+++++	+++++	343833	+++++	+++++	+++++	343833	0.000
	48 AR 1242-PEAK1	+++++	+++++	69494	+++++	+++++	+++++	69494	0.000
	49 AR 1242-PEAK2	+++++	+++++	92867	+++++	+++++	+++++	92867	0.000
	50 AR 1242-PEAK3	+++++	+++++	86432	+++++	+++++	+++++	86432	0.000
	51 AR 1242-PEAK4	+++++	+++++	95041	+++++	+++++	+++++	95041	0.000
M	52 AR 1248-AVG	+++++	+++++	618392	+++++	+++++	+++++	618392	0.000

001281

035369

Report Date : 10-Jan-2007 13:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

	Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	___ RRF	% RSD
	53 AR 1248-PEAK1	+++++	+++++	129979	+++++	+++++	+++++	129979	0.000
	54 AR 1248-PEAK2	+++++	+++++	142971	+++++	+++++	+++++	142971	0.000
	55 AR 1248-PEAK3	+++++	+++++	178849	+++++	+++++	+++++	178849	0.000
	56 AR 1248-PEAK4	+++++	+++++	166593	+++++	+++++	+++++	166593	0.000
M	57 AR 1254-AVG	+++++	+++++	532509	+++++	+++++	+++++	532509	0.000
	58 AR 1254-PEAK1	+++++	+++++	77924	+++++	+++++	+++++	77924	0.000
	59 AR 1254-PEAK2	+++++	+++++	66525	+++++	+++++	+++++	66525	0.000
	60 AR 1254-PEAK3	+++++	+++++	134749	+++++	+++++	+++++	134749	0.000
	61 AR 1254-PEAK4	+++++	+++++	253311	+++++	+++++	+++++	253311	0.000
M	62 TOXAPHENE-AVG	+++++	+++++	+++++	+++++	410899	+++++	410899	0.000
	63 TOXAPHENE-PEAK1	+++++	+++++	+++++	+++++	122206	+++++	122206	0.000
	64 TOXAPHENE-PEAK2	+++++	+++++	+++++	+++++	153726	+++++	153726	0.000
	65 TOXAPHENE-PEAK3	+++++	+++++	+++++	+++++	134967	+++++	134967	0.000
	66 TOXAPHENE-PEAK4	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
	67 TOXAPHENE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	68 CHLORDANE-AVG	+++++	+++++	+++++	+++++	1506501	+++++	1506501	0.000
	69 CHLORDANE-PEAK1	+++++	+++++	+++++	+++++	203881	+++++	203881	0.000
	70 CHLORDANE-PEAK2	+++++	+++++	+++++	+++++	217676	+++++	217676	0.000
	71 CHLORDANE-PEAK3	+++++	+++++	+++++	+++++	627680	+++++	627680	0.000
	72 CHLORDANE-PEAK4	+++++	+++++	+++++	+++++	457264	+++++	457264	0.000
	73 CHLORDANE-PEAK5	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
M	74 AR 1268-AVG	+++++	+++++	1673658	+++++	+++++	+++++	1673658	0.000
	75 AR 1268-PEAK1	+++++	+++++	570267	+++++	+++++	+++++	570267	0.000
	76 AR 1268-PEAK2	+++++	+++++	511015	+++++	+++++	+++++	511015	0.000
	77 AR 1268-PEAK3	+++++	+++++	403943	+++++	+++++	+++++	403943	0.000
	78 AR 1268 PEAK4	+++++	+++++	188432	+++++	+++++	+++++	188432	0.000
M	79 AR 1262-AVG	+++++	+++++	862094	+++++	+++++	+++++	862094	0.000
	80 AR 1262-PEAK1	+++++	+++++	166043	+++++	+++++	+++++	166043	0.000
	81 AR 1262-PEAK2	+++++	+++++	195374	+++++	+++++	+++++	195374	0.000

001282

035370

Report Date : 10-Jan-2007 13:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

Compound	5.000 Level 1	20.000 Level 2	60.000 Level 3	80.000 Level 4	100.000 Level 5	2.500 Level 6	RRF	% RSD
82 AR 1262-PEAK3	+++++	+++++	281582	+++++	+++++	+++++	281582	0.000
83 AR 1262-PEAK4	+++++	+++++	219095	+++++	+++++	+++++	219095	0.000
84 Diallate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
85 Isodrin	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
86 Chlorobenzilate	+++++	+++++	+++++	+++++	+++++	+++++	+++++	+++++
$ 1 Tetrachloro-m-xylene	5084590	4958909	4813499	4823575	4720012	+++++	4880117	2.921
$ 22 Decachlorobiphenyl	3917862	3557789	3490785	3511969	3456413	+++++	3586964	5.258

001283

035371

Report Date : 10-Jan-2007 13:41

GCAL, Inc.

INITIAL CALIBRATION DATA

Start Cal Date : 24-NOV-2006 17:25
End Cal Date : 25-NOV-2006 01:08
Quant Method : ESTD
Origin : Disabled
Target Version : 3.50
Integrator : Falcon
Method file : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Cal Date : 08-Jan-2007 08:20 tls
Curve Type : Average

Average %RSD Results.
Calculated Average %RSD = 5.12662
Maximun Average %RSD = 20.00000
* Passed Average %RSD Test.

001284

035372

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b012.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b012.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 20:55
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1203*1 65-36-3
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17b022.d
Als bottle: 12 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1221.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

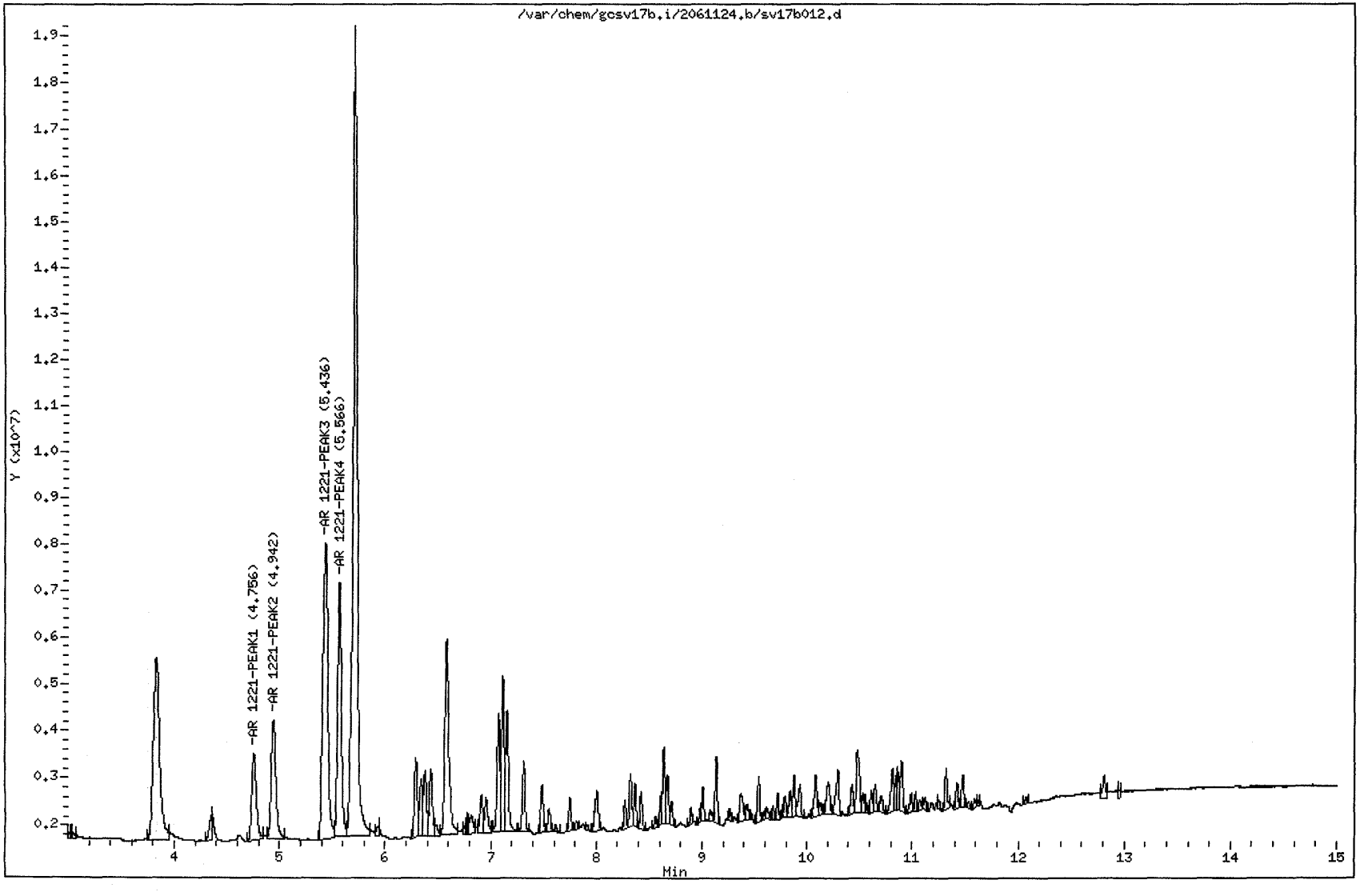
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	37 AR 1221-AVG				47005639	400.000	400
	38 AR 1221-PEAK1	4.756	4.756	0.000	5541881	400.000	400
	39 AR 1221-PEAK2	4.942	4.942	0.000	7637472	400.000	400
	40 AR 1221-PEAK3	5.436	5.436	0.000	20568139	400.000	400
	41 AR 1221-PEAK4	5.566	5.566	0.000	13258147	400.000	400

001286

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b012.d
Date : 24-NOV-2006 20:55
Client ID:
Sample Info: 1203*1 65-36-3
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



035374

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b013.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b013.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 21:17
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1203*1 65-36-4
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17b022.d
Als bottle: 13 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1232.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

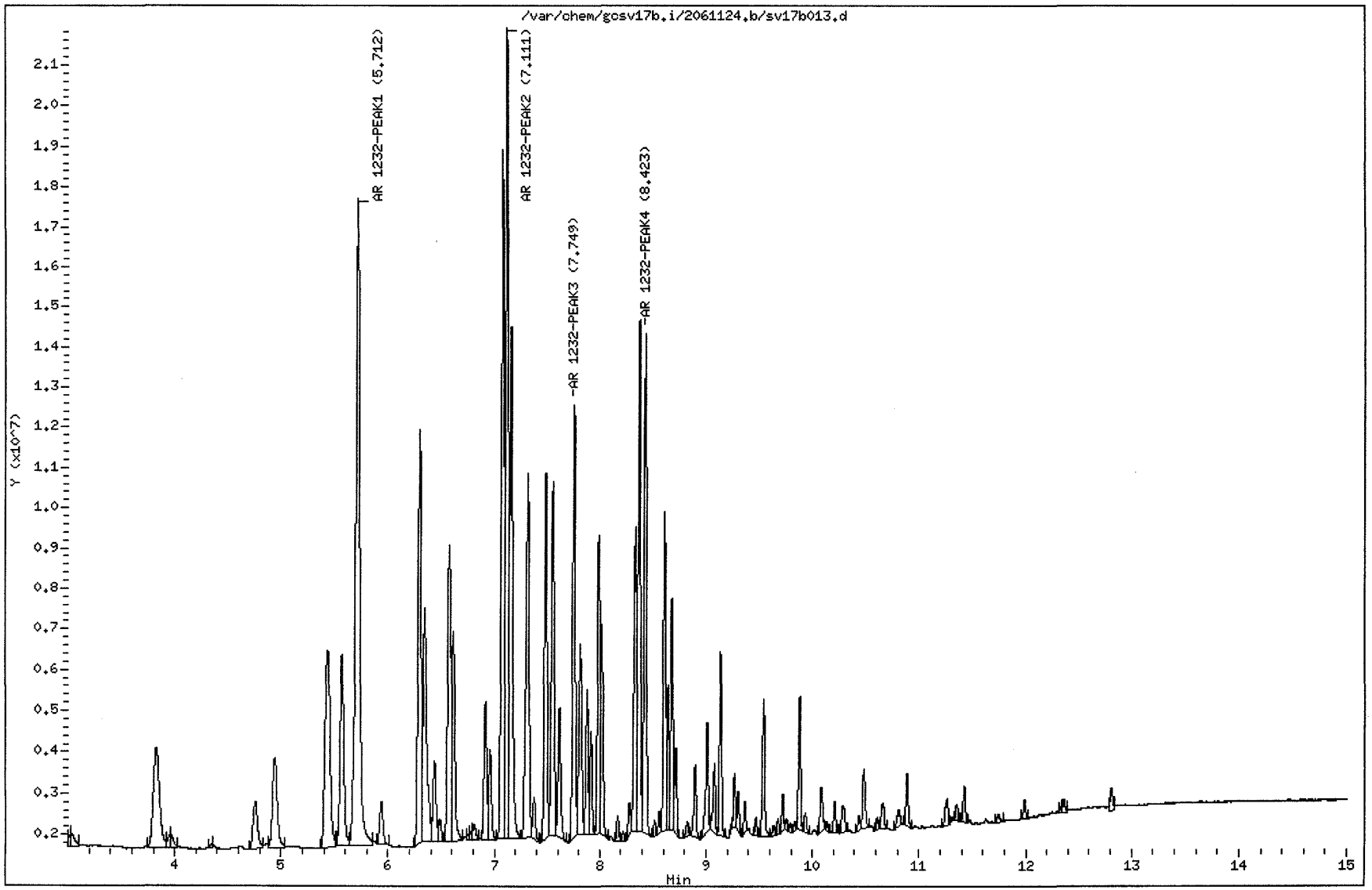
Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 42 AR 1232-AVG				113856085	400.000	400
43 AR 1232-PEAK1	5.712	5.712	0.000	42250404	400.000	400
44 AR 1232-PEAK2	7.111	7.111	0.000	35177048	400.000	400
45 AR 1232-PEAK3	7.749	7.749	0.000	17260838	400.000	400
46 AR 1232-PEAK4	8.423	8.423	0.000	19167795	400.000	400

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b013.d
Date : 24-NOV-2006 21:17
Client ID:
Sample Info: 1203x1 65-36-4
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

001288



035376

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b014.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b014.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 21:38
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1203*1 65-36-5
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17b022.d
Als bottle: 14 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1242.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	47 AR 1242-AVG				137533297	400.000	400
	48 AR 1242-PEAK1	5.712	5.712	0.000	27797405	400.000	400
	49 AR 1242-PEAK2	6.290	6.290	0.000	37146609	400.000	400
	50 AR 1242-PEAK3	7.750	7.750	0.000	34572791	400.000	400
	51 AR 1242-PEAK4	8.423	8.423	0.000	38016492	400.000	400

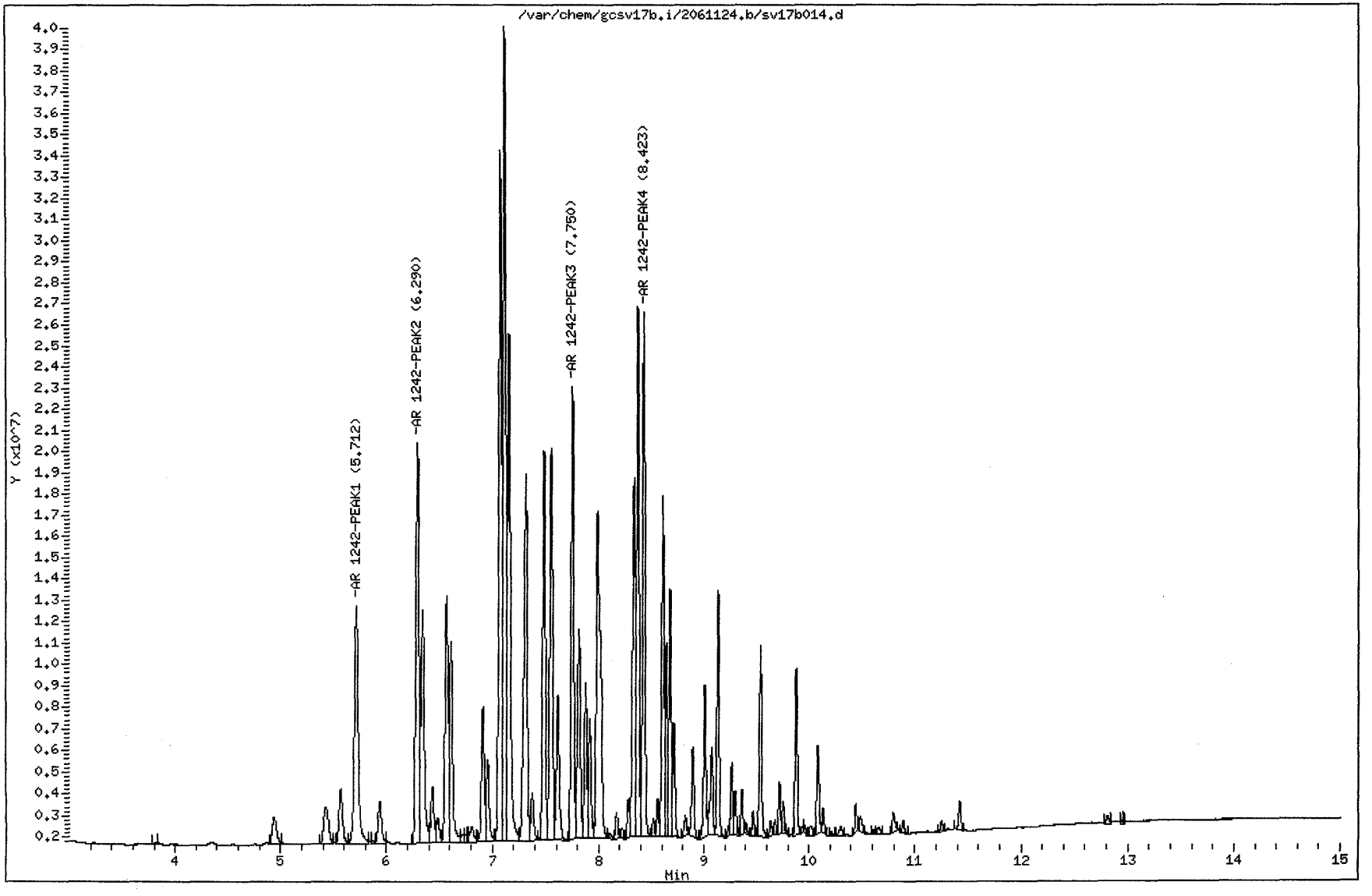
001289

035377

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b014.d
Date : 24-NOV-2006 21:38
Client ID:
Sample Info: 1203x1 65-36-5
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

001290



035378

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b015.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b015.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 21:59
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1203*1 65-36-1
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17b022.d
Als bottle: 15 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1248.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

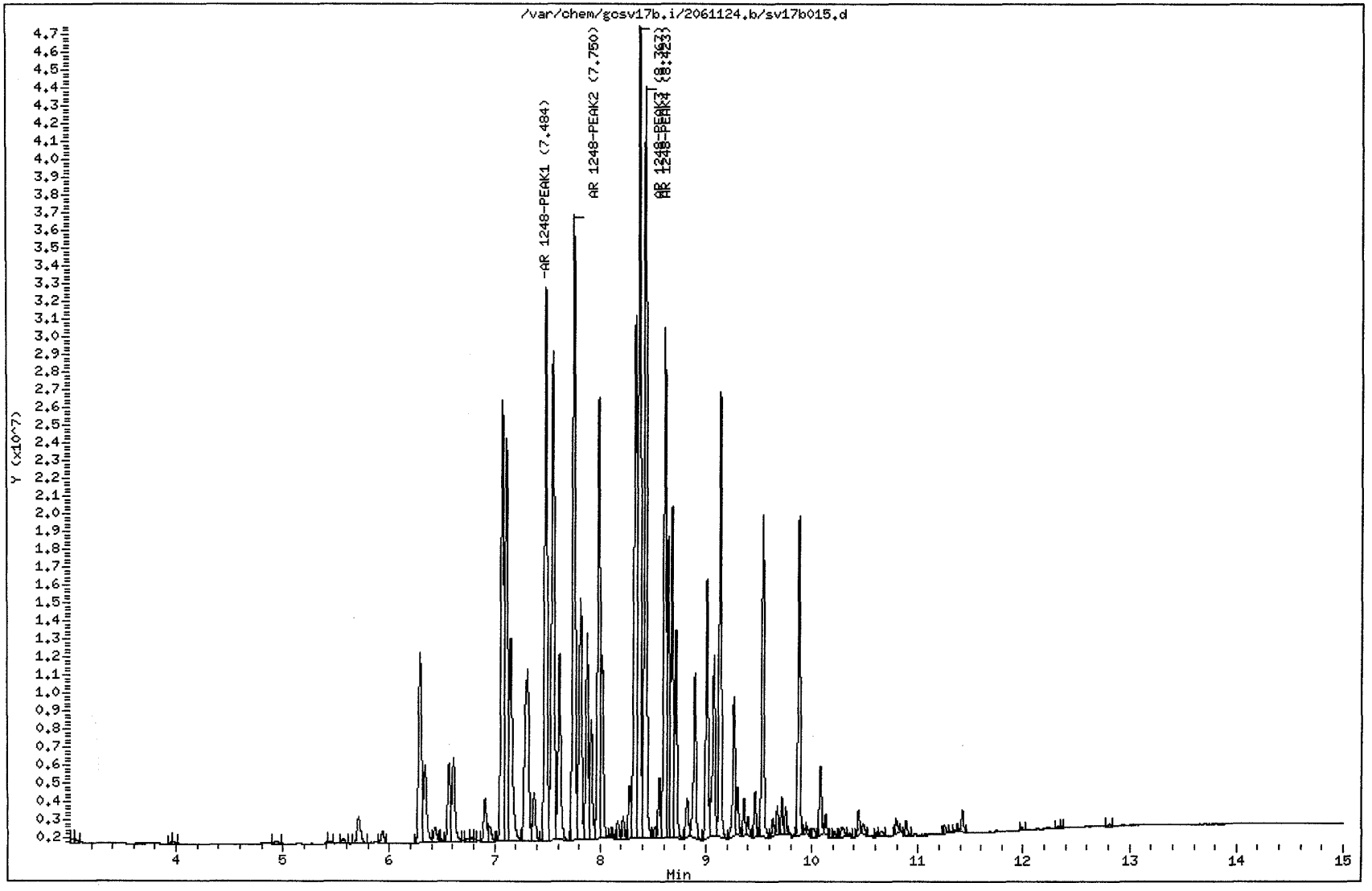
Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M 52 AR 1248-AVG				247356621	400.000	400
53 AR 1248-PEAK1	7.484	7.484	0.000	51991490	400.000	400
54 AR 1248-PEAK2	7.750	7.750	0.000	57188237	400.000	400
55 AR 1248-PEAK3	8.367	8.367	0.000	71539738	400.000	400
56 AR 1248-PEAK4	8.423	8.423	0.000	66637156	400.000	400

001292

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b015.d
Date : 24-NOV-2006 21:59
Client ID:
Sample Info: 1203x1 65-36-1
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



035380

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b016.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b016.d
Lab Smp Id: 1203
Inj Date : 24-NOV-2006 22:20
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1203*1 65-36-2
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17b022.d
Als bottle: 16 Calibration Sample, Level: 3
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1254.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

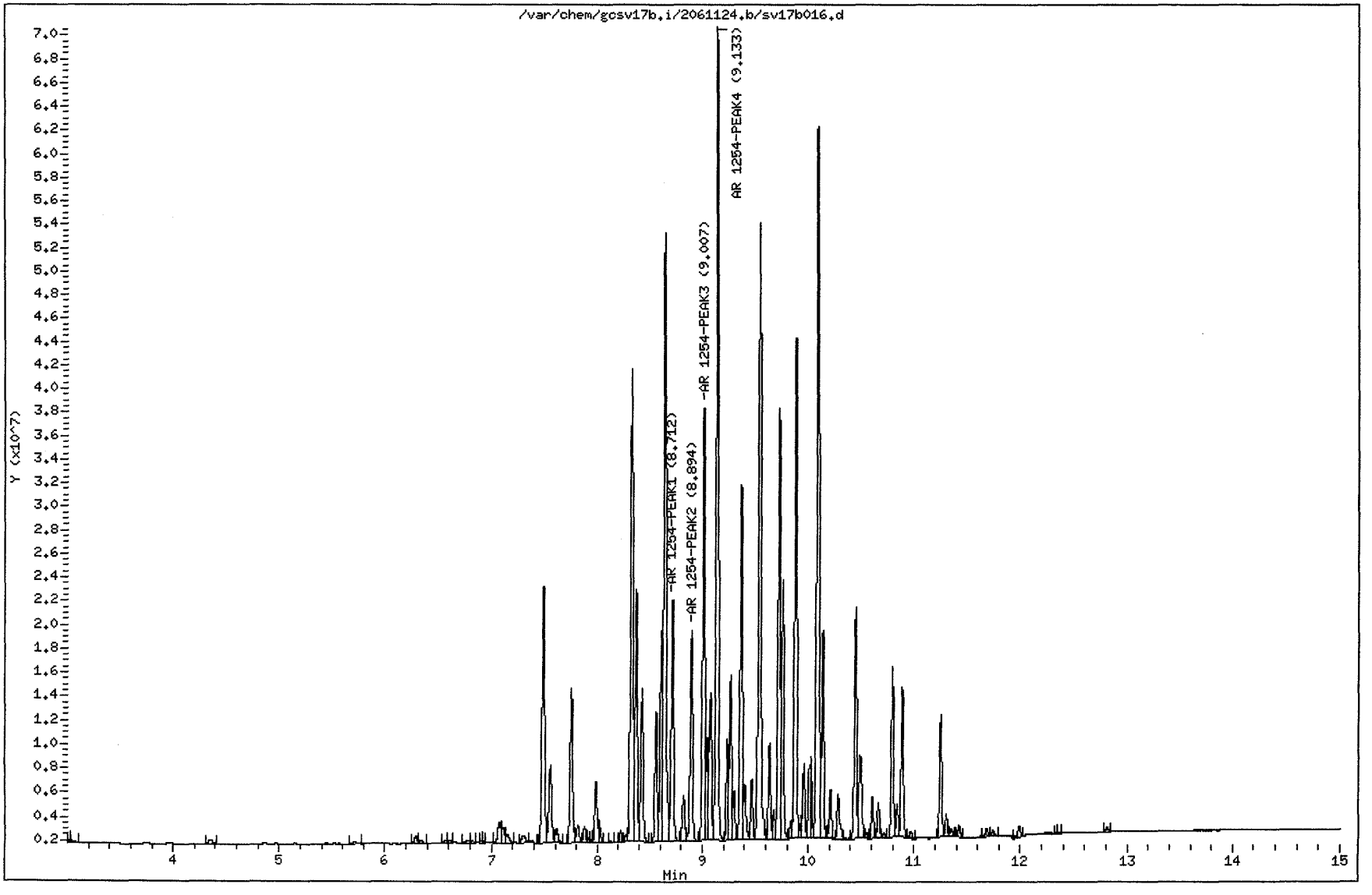
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	57 AR 1254-AVG				213003771	400.000	400
	58 AR 1254-PEAK1	8.712	8.712	0.000	31169762	400.000	400
	59 AR 1254-PEAK2	8.894	8.894	0.000	26610197	400.000	400
	60 AR 1254-PEAK3	9.007	9.007	0.000	53899467	400.000	400
	61 AR 1254-PEAK4	9.133	9.133	0.000	101324345	400.000	400

035381

001294

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b016.d
Date : 24-NOV-2006 22:20
Client ID:
Sample Info: 1203*1 65-36-2
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



035382

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b019.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b019.d
Lab Smp Id: 1206
Inj Date : 24-NOV-2006 23:23
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1206*1 50
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:23 Cal File: sv17b019.d
Als bottle: 19 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				25714093	50.0000	58
24 AR 1016-PEAK1	5.712	5.711	0.001	5625296	50.0000	60
25 AR 1016-PEAK2	6.290	6.290	0.000	7544293	50.0000	60
26 AR 1016-PEAK3	7.550	7.550	0.000	6244061	50.0000	56
27 AR 1016-PEAK4	7.749	7.750	-0.001	6300443	50.0000	56
M 28 AR 1260-AVG				72301725	50.0000	55
29 AR 1260-PEAK1	9.363	9.362	0.001	13392214	50.0000	57
30 AR 1260-PEAK2	9.720	9.720	0.000	15459064	50.0000	55
31 AR 1260-PEAK3	10.082	10.082	0.000	16874676	50.0000	54
32 AR 1260-PEAK4	10.886	10.888	-0.002	26575771	50.0000	54

001295

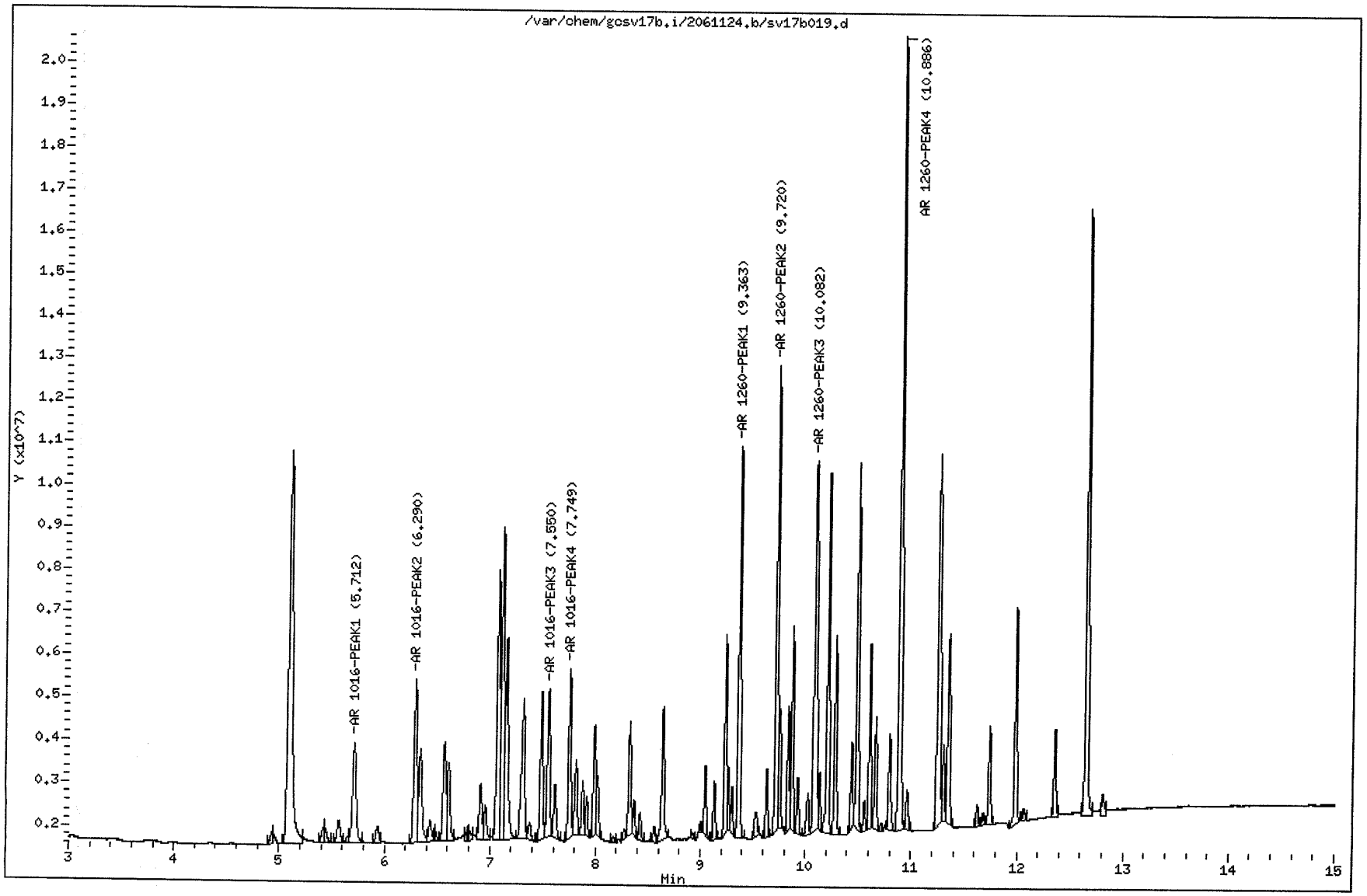
035383

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b019.d
Date : 24-NOV-2006 23:23
Client ID:
Sample Info: 1206x1 50
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

001296



035384

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b020.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b020.d
Lab Smp Id: 1201
Inj Date : 24-NOV-2006 23:44
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1201*1 100
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 24-NOV-2006 23:44 Cal File: sv17b020.d
Als bottle: 20 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

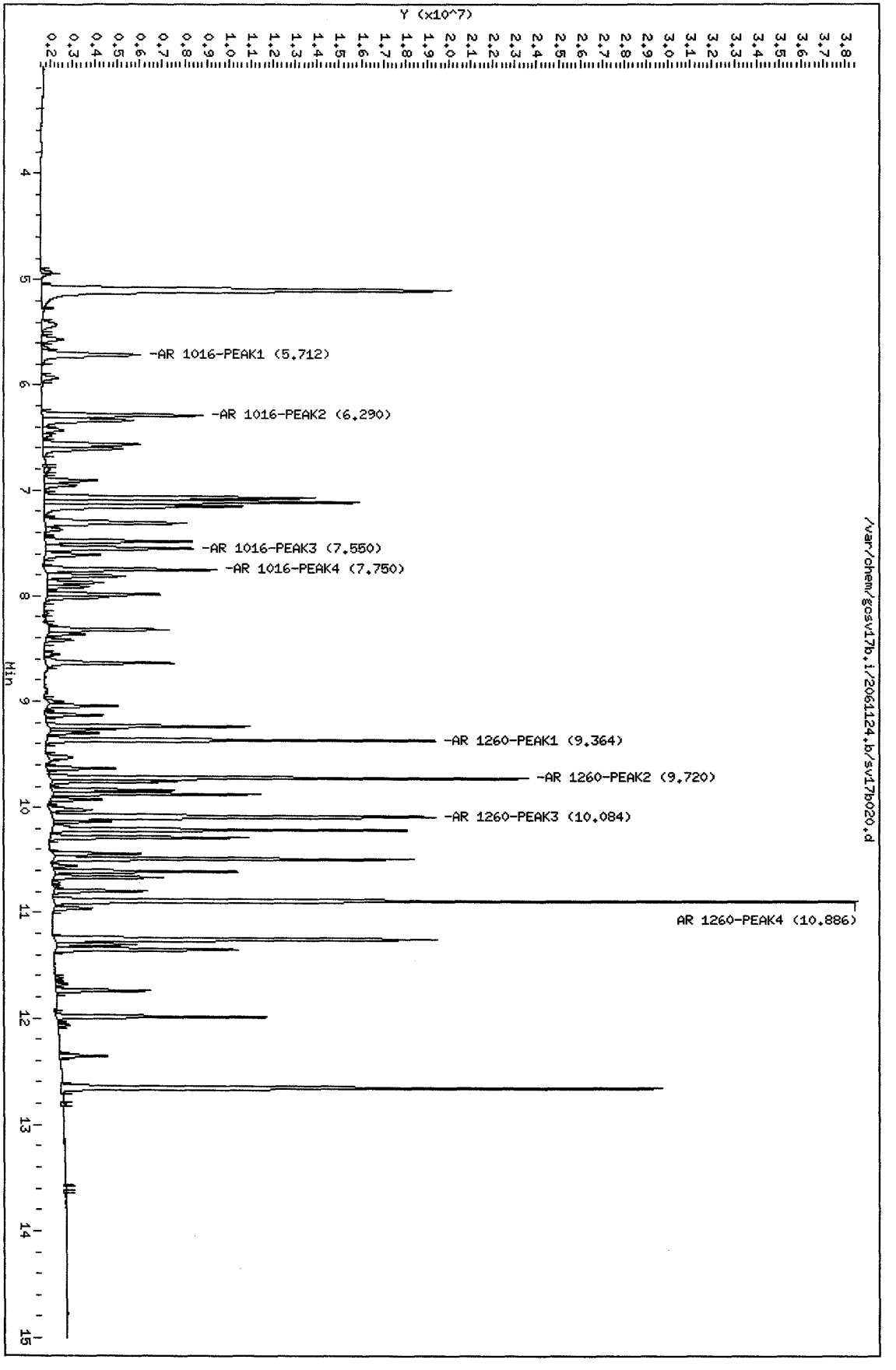
Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (mL)
Vo	1000.00000	Volume of sample extracted (mL)
Vi	1.00000	Volume injected (uL)

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				49337852	100.000	110
	24 AR 1016-PEAK1	5.712	5.711	0.001	10584377	100.000	110
	25 AR 1016-PEAK2	6.290	6.290	0.000	14217318	100.000	110
	26 AR 1016-PEAK3	7.550	7.550	0.000	12259496	100.000	110
	27 AR 1016-PEAK4	7.750	7.750	0.000	12276661	100.000	110
M	28 AR 1260-AVG				141998661	100.000	110
	29 AR 1260-PEAK1	9.364	9.362	0.002	25774889	100.000	110
	30 AR 1260-PEAK2	9.720	9.720	0.000	30429382	100.000	110
	31 AR 1260-PEAK3	10.084	10.082	0.002	33250662	100.000	110
	32 AR 1260-PEAK4	10.886	10.888	-0.002	52543728	100.000	110

001297

035385



001298

035386

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b021.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b021.d
Lab Smp Id: 1202
Inj Date : 25-NOV-2006 00:05
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1202*1 200
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:05 Cal File: sv17b021.d
Als bottle: 21 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

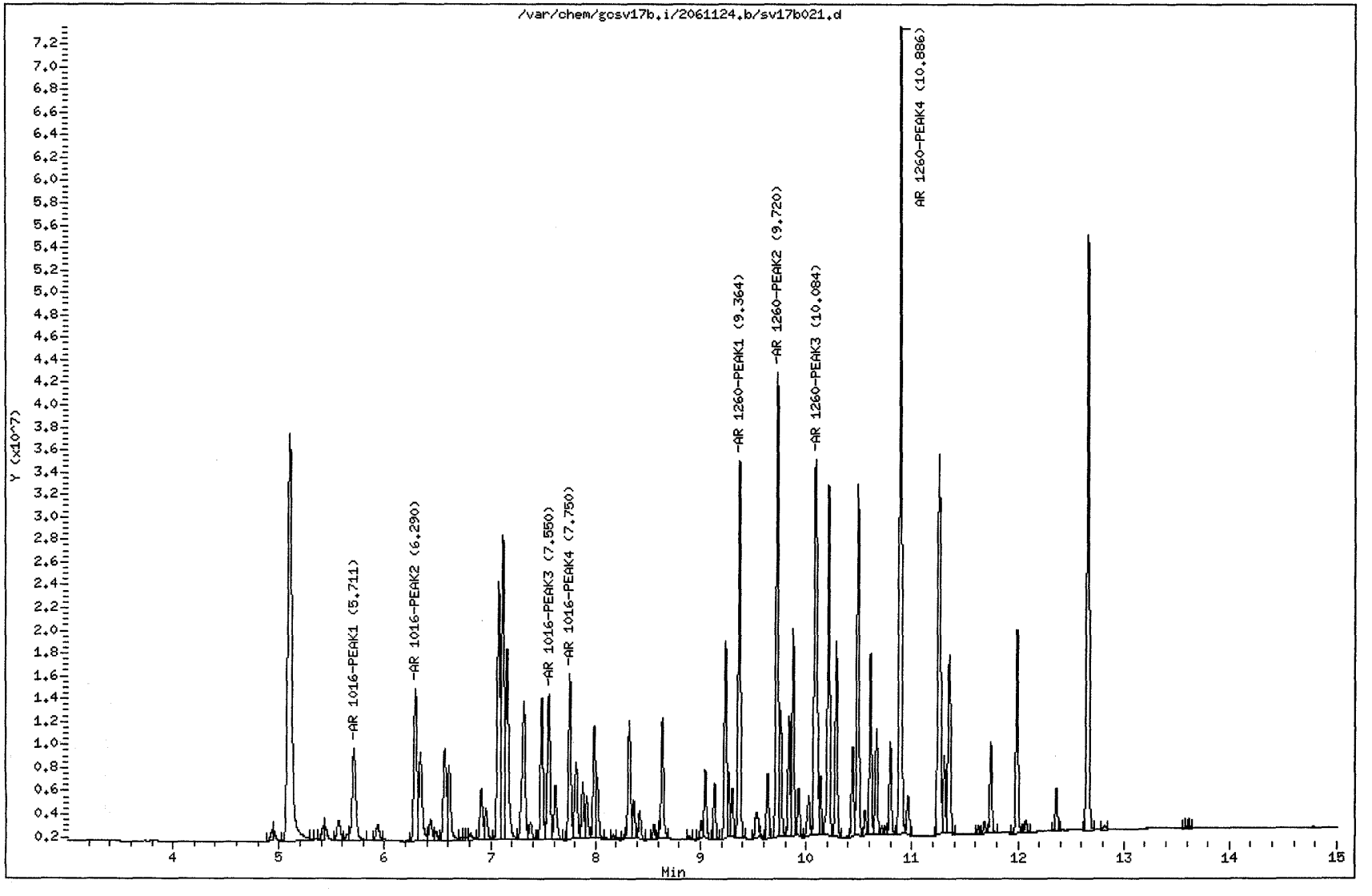
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				91967630	200.000	210
	24 AR 1016-PEAK1	5.711	5.711	0.000	19460725	200.000	210
	25 AR 1016-PEAK2	6.290	6.290	0.000	26294698	200.000	210
	26 AR 1016-PEAK3	7.550	7.550	0.000	23111440	200.000	210
	27 AR 1016-PEAK4	7.750	7.750	0.000	23100767	200.000	210
M	28 AR 1260-AVG				270856141	200.000	200
	29 AR 1260-PEAK1	9.364	9.363	0.001	48273231	200.000	210
	30 AR 1260-PEAK2	9.720	9.720	0.000	57681299	200.000	210
	31 AR 1260-PEAK3	10.084	10.082	0.002	63745993	200.000	200
	32 AR 1260-PEAK4	10.886	10.887	-0.001	101155618	200.000	200

035387

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b021.d
Date : 25-NOV-2006 00:05
Client ID:
Sample Info: 1202x1 200
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32

001300



035388

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b022.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b022.d
Lab Smp Id: 1203
Inj Date : 25-NOV-2006 00:26
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1203*1 400
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:26 Cal File: sv17b022.d
Als bottle: 22 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

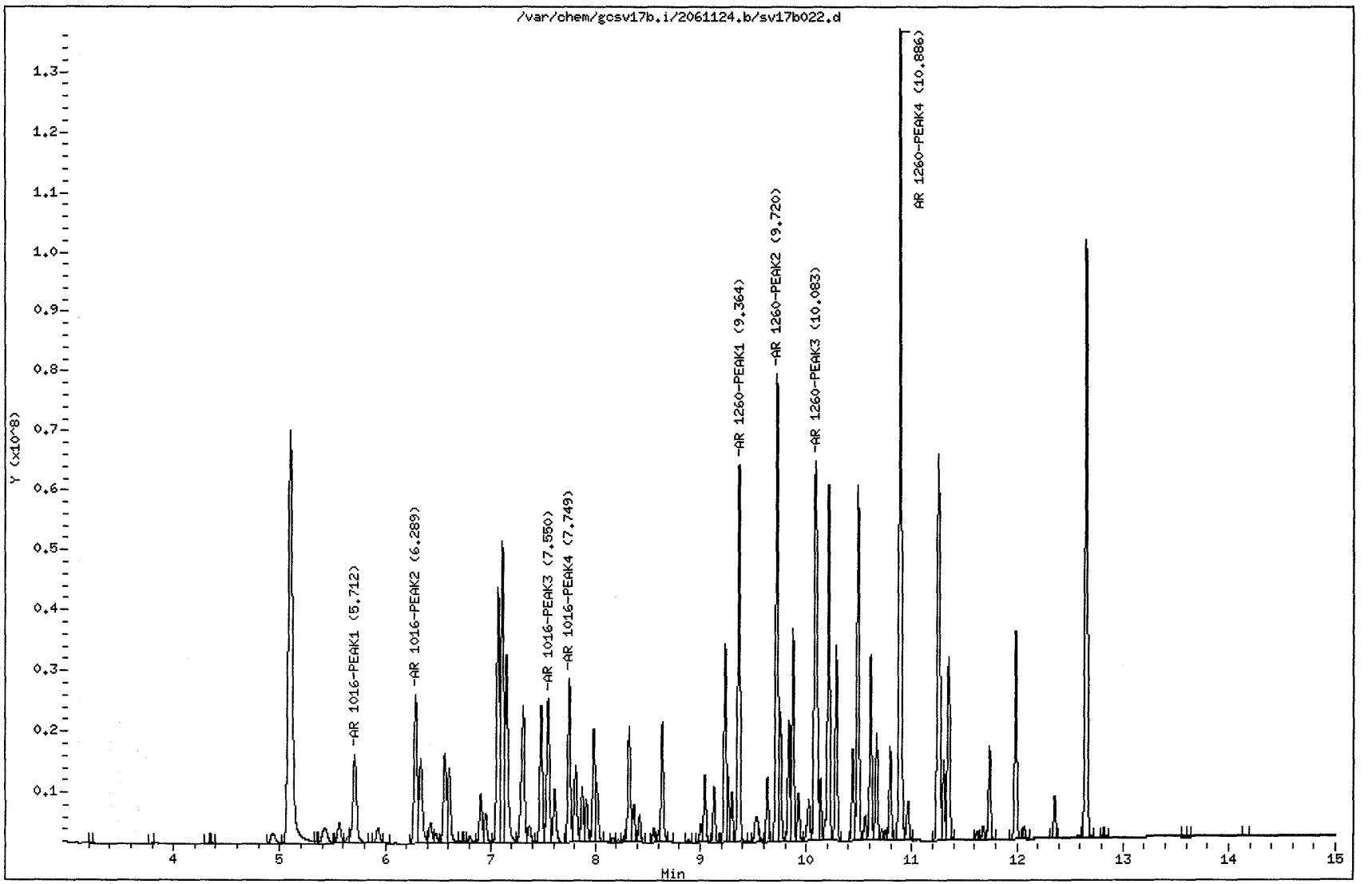
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				169954281	400.000	380
	24 AR 1016-PEAK1	5.712	5.711	0.001	35463020	400.000	380
	25 AR 1016-PEAK2	6.289	6.290	-0.001	47880964	400.000	380
	26 AR 1016-PEAK3	7.550	7.550	0.000	43411230	400.000	390
	27 AR 1016-PEAK4	7.749	7.750	-0.001	43199067	400.000	390
M	28 AR 1260-AVG				514356958	400.000	390
	29 AR 1260-PEAK1	9.364	9.363	0.001	90167299	400.000	380
	30 AR 1260-PEAK2	9.720	9.720	0.000	109164437	400.000	390
	31 AR 1260-PEAK3	10.083	10.082	0.001	121233144	400.000	390
	32 AR 1260-PEAK4	10.886	10.888	-0.002	193792078	400.000	390

035389

001302

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b022.d
Date : 25-NOV-2006 00:26
Client ID:
Sample Info: 1203M1 400
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



035390

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b023.d
Report Date: 01-Dec-2006 12:53

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b023.d
Lab Smp Id: 1204
Inj Date : 25-NOV-2006 00:47
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1204*1 800
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 01-Dec-2006 12:53 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17b023.d
Als bottle: 23 Calibration Sample, Level: 4
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				317679420	800.000	720
	24 AR 1016-PEAK1	5.712	5.711	0.001	65415443	800.000	700
	25 AR 1016-PEAK2	6.289	6.290	-0.001	88078853	800.000	700
	26 AR 1016-PEAK3	7.551	7.550	0.001	82603378	800.000	740
	27 AR 1016-PEAK4	7.750	7.750	0.000	81581746	800.000	730
M	28 AR 1260-AVG				989982641	800.000	750
	29 AR 1260-PEAK1	9.365	9.363	0.002	171817035	800.000	730
	30 AR 1260-PEAK2	9.721	9.720	0.001	208885378	800.000	740
	31 AR 1260-PEAK3	10.084	10.082	0.002	233308970	800.000	750
	32 AR 1260-PEAK4	10.887	10.887	0.000	375971258	800.000	760

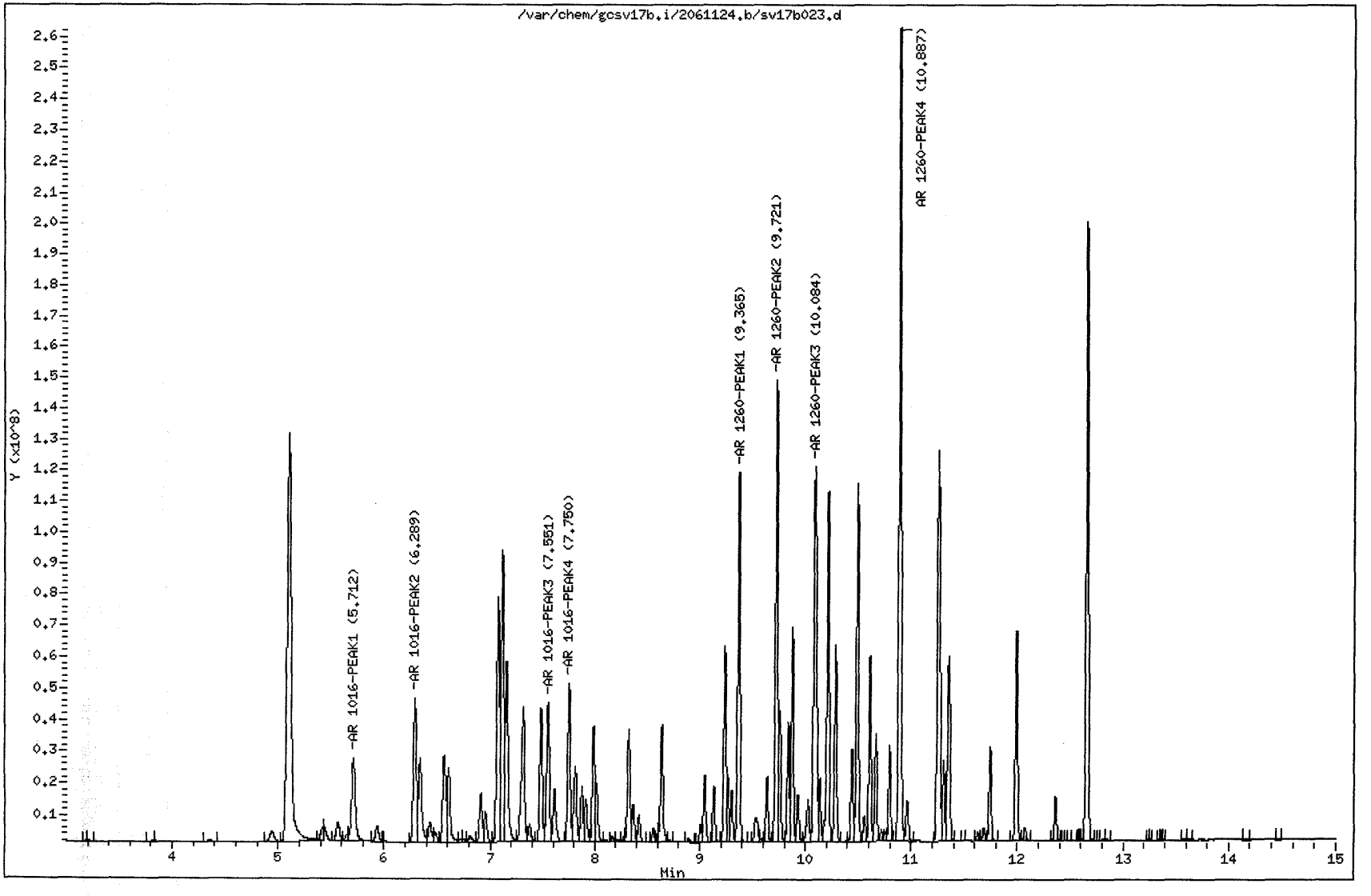
001303

035391

001304

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b023.d
Date : 25-NOV-2006 00:47
Client ID:
Sample Info: 1204x1 800
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



035392

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b024.d
Report Date: 02-Dec-2006 13:07

Gulf Coast Analytical Services

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b024.d
Lab Smp Id: 1205
Inj Date : 25-NOV-2006 01:08
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1205*1 65-38-7
Misc Info : GCSV~10631~*
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 02-Dec-2006 13:07 hjl Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 24 Calibration Sample, Level: 5
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: aro1260.sub
Target Version: 3.50
Processing Host: hpchem

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

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

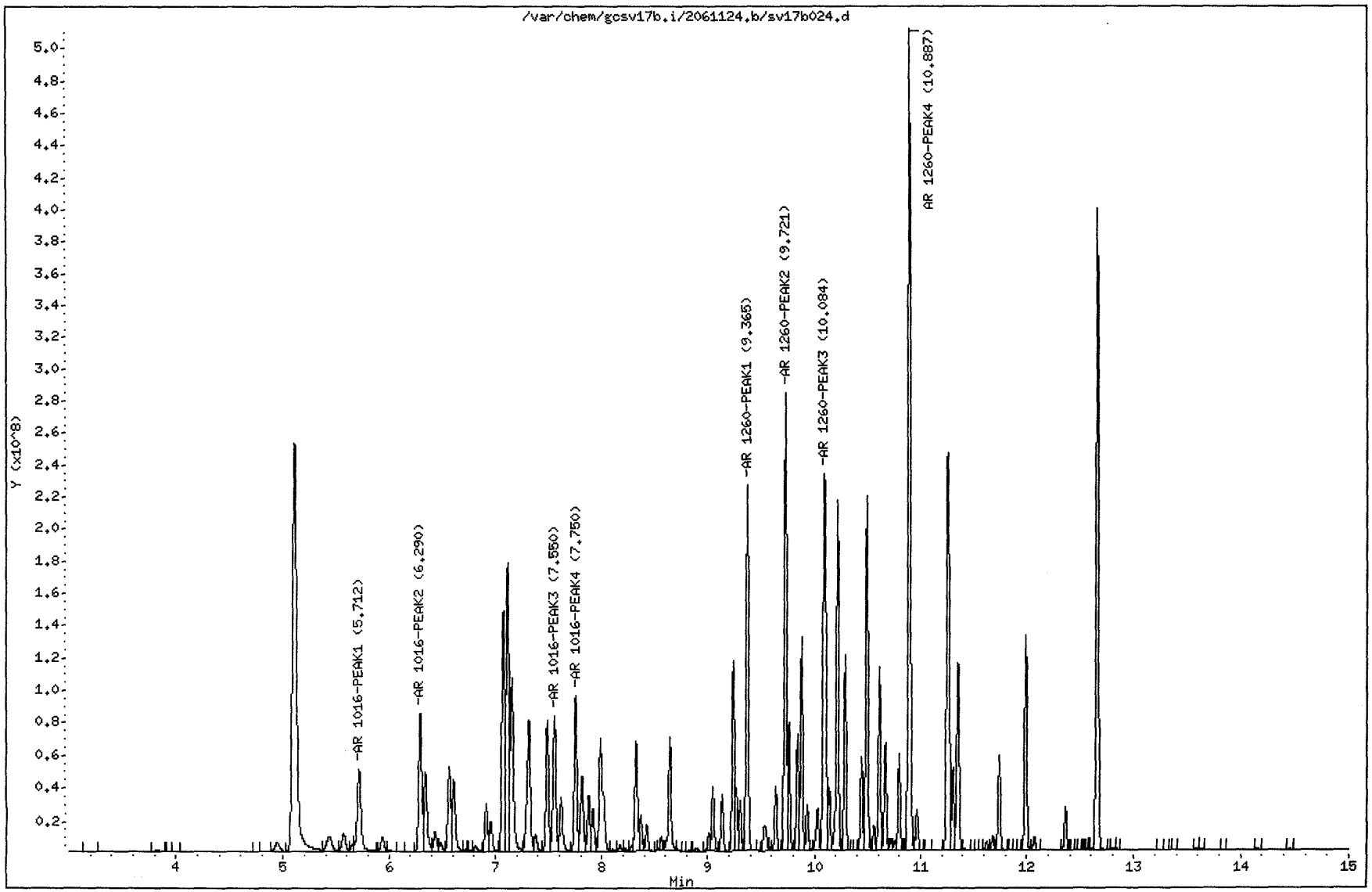
Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				598995487	1600.00	1300
	24 AR 1016-PEAK1	5.712	5.711	0.001	124169299	1600.00	1300
	25 AR 1016-PEAK2	6.290	6.290	0.000	164279501	1600.00	1300
	26 AR 1016-PEAK3	7.550	7.550	0.000	155988832	1600.00	1400
	27 AR 1016-PEAK4	7.750	7.750	0.000	154557855	1600.00	1400
M	28 AR 1260-AVG				1919842188	1600.00	1500
	29 AR 1260-PEAK1	9.365	9.363	0.002	328637329	1600.00	1400
	30 AR 1260-PEAK2	9.721	9.720	0.001	399532798	1600.00	1400
	31 AR 1260-PEAK3	10.084	10.083	0.001	451712218	1600.00	1500
	32 AR 1260-PEAK4	10.887	10.887	0.000	739959843	1600.00	1500

035393

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b024.d
Date : 25-NOV-2006 01:08
Client ID:
Sample Info: 1205*1 65-38-7
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



Data File: /var/chem/gcsv17b.i/2061124.b/sv17b025.d
Report Date: 25-Nov-2006 12:21

GCAL, Inc.

RECOVERY REPORT

Client Name:
Client SDG: 2061124
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/gcsv17b.i/2061124.b/pestXLB.m
Misc Info:

SPIKE COMPOUND	CONC ADDED UG/L	CONC RECOVERED UG/L	% RECOVERED	LIMITS
M 23 AR 1016-AVG	400	360	90.73	85-115
M 28 AR 1260-AVG	400	370	92.04	85-115

001307

035395

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b025.d
Report Date: 25-Nov-2006 12:21

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2061124.b/sv17b025.d
Lab Smp Id: 1600
Inj Date : 25-NOV-2006 01:29
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1600*1 65-29-8
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Meth Date : 25-Nov-2006 12:21 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 25 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)	FINAL (UG/L)
M	23 AR 1016-AVG				161120528	362.904	360
	24 AR 1016-PEAK1	5.712	5.711	0.001	33410971	355.634	360
	25 AR 1016-PEAK2	6.291	6.290	0.001	45766909	362.746	360
	26 AR 1016-PEAK3	7.551	7.550	0.001	40829222	364.379	360
	27 AR 1016-PEAK4	7.750	7.750	0.000	41113426	367.712	370
M	28 AR 1260-AVG				487400216	368.147	370
	29 AR 1260-PEAK1	9.364	9.362	0.002	88314970	375.131	380
	30 AR 1260-PEAK2	9.721	9.720	0.001	106836873	380.291	380
	31 AR 1260-PEAK3	10.083	10.082	0.001	134176790	431.490	430
	32 AR 1260-PEAK4	10.887	10.888	-0.001	158071583	318.302	320

001308

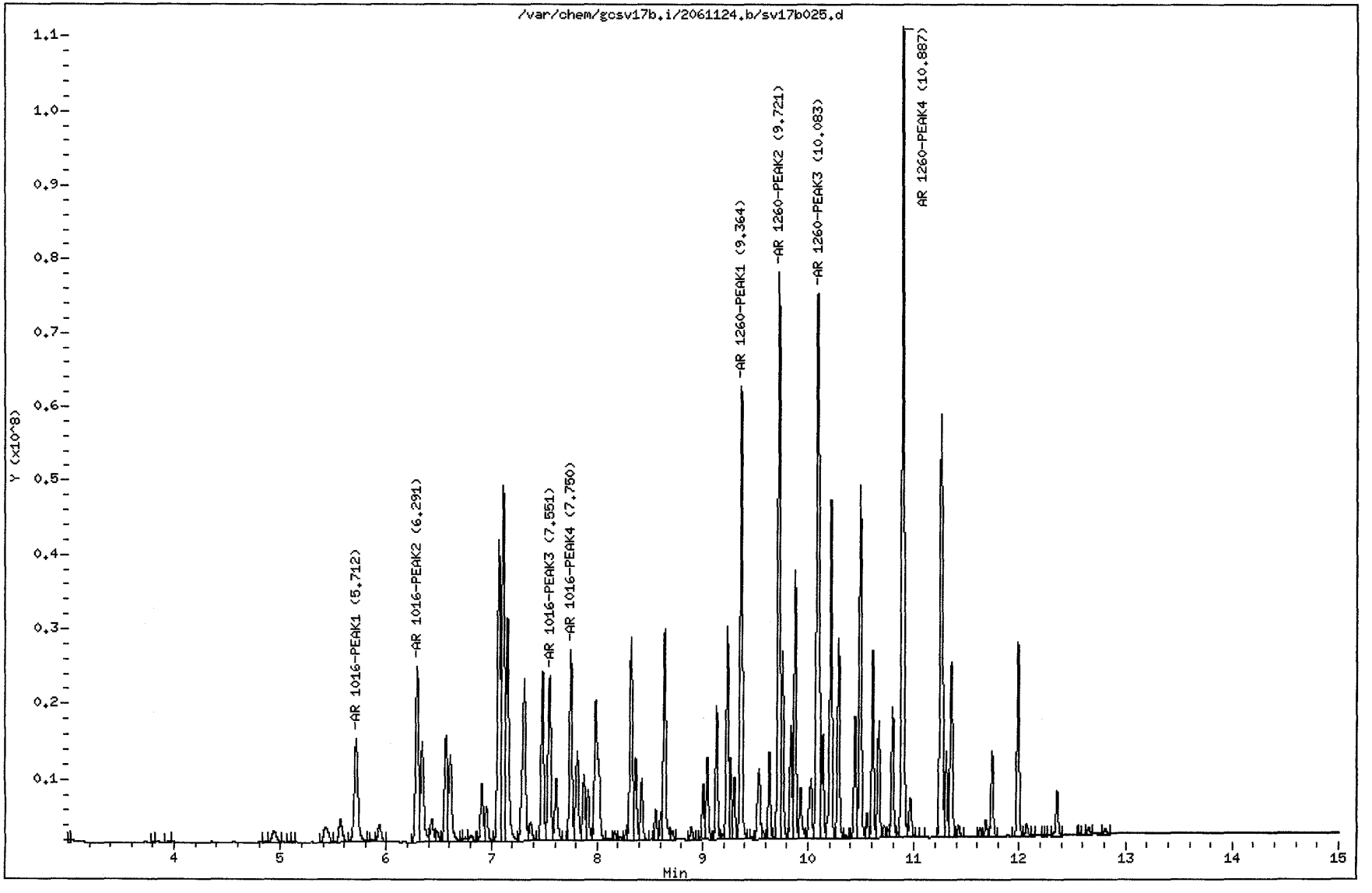
035396

Data File: /var/chem/gcsv17b.i/2061124.b/sv17b025.d
Date : 25-NOV-2006 01:29
Client ID:
Sample Info: 1600x1 65-29-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i

Operator: tls
Column diameter: 0.32

001309



035397

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b039.d
Report Date: 05-Jan-2007 10:17

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17b.i Injection Date: 05-JAN-2007 10:11
Lab File ID: sv17b039.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:25 01:08
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17b.i/2070104b.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
M 23 AR 1016-AVG	443976	396412	0.010	10.71316	15.00000	Averaged	
24 AR 1016-PEAK1	93948	78979	0.010	15.93293	15.00000	Averaged	<-
25 AR 1016-PEAK2	126168	115882	0.010	8.15270	15.00000	Averaged	
26 AR 1016-PEAK3	112051	101289	0.010	9.60517	15.00000	Averaged	
27 AR 1016-PEAK4	111809	100262	0.010	10.32694	15.00000	Averaged	
M 28 AR 1260-AVG	1323929	1264186	0.010	4.51255	15.00000	Averaged	
29 AR 1260-PEAK1	235425	215187	0.010	8.59635	15.00000	Averaged	
30 AR 1260-PEAK2	280935	265277	0.010	5.57326	15.00000	Averaged	
31 AR 1260-PEAK3	310962	292426	0.010	5.96062	15.00000	Averaged	
32 AR 1260-PEAK4	496608	491296	0.010	1.06977	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 8.04434
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001310

035398

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b039.d
Report Date: 05-Jan-2007 10:17

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b039.d
Lab Smp Id: 1400
Inj Date : 05-JAN-2007 10:11
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1400*1 65-44-8
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 05-Jan-2007 10:17 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 39 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				158564830	400.000	360
	24 AR 1016-PEAK1	5.705	5.710	-0.005	31591620	400.000	340
	25 AR 1016-PEAK2	6.282	6.289	-0.007	46352774	400.000	370
	26 AR 1016-PEAK3	7.542	7.549	-0.007	40515486	400.000	360
	27 AR 1016-PEAK4	7.741	7.748	-0.007	40104949	400.000	360
M	28 AR 1260-AVG				505674423	400.000	380
	29 AR 1260-PEAK1	9.354	9.361	-0.007	86074649	400.000	370
	30 AR 1260-PEAK2	9.711	9.719	-0.008	106110944	400.000	380
	31 AR 1260-PEAK3	10.074	10.081	-0.007	116970529	400.000	380
	32 AR 1260-PEAK4	10.877	10.886	-0.009	196518299	400.000	400

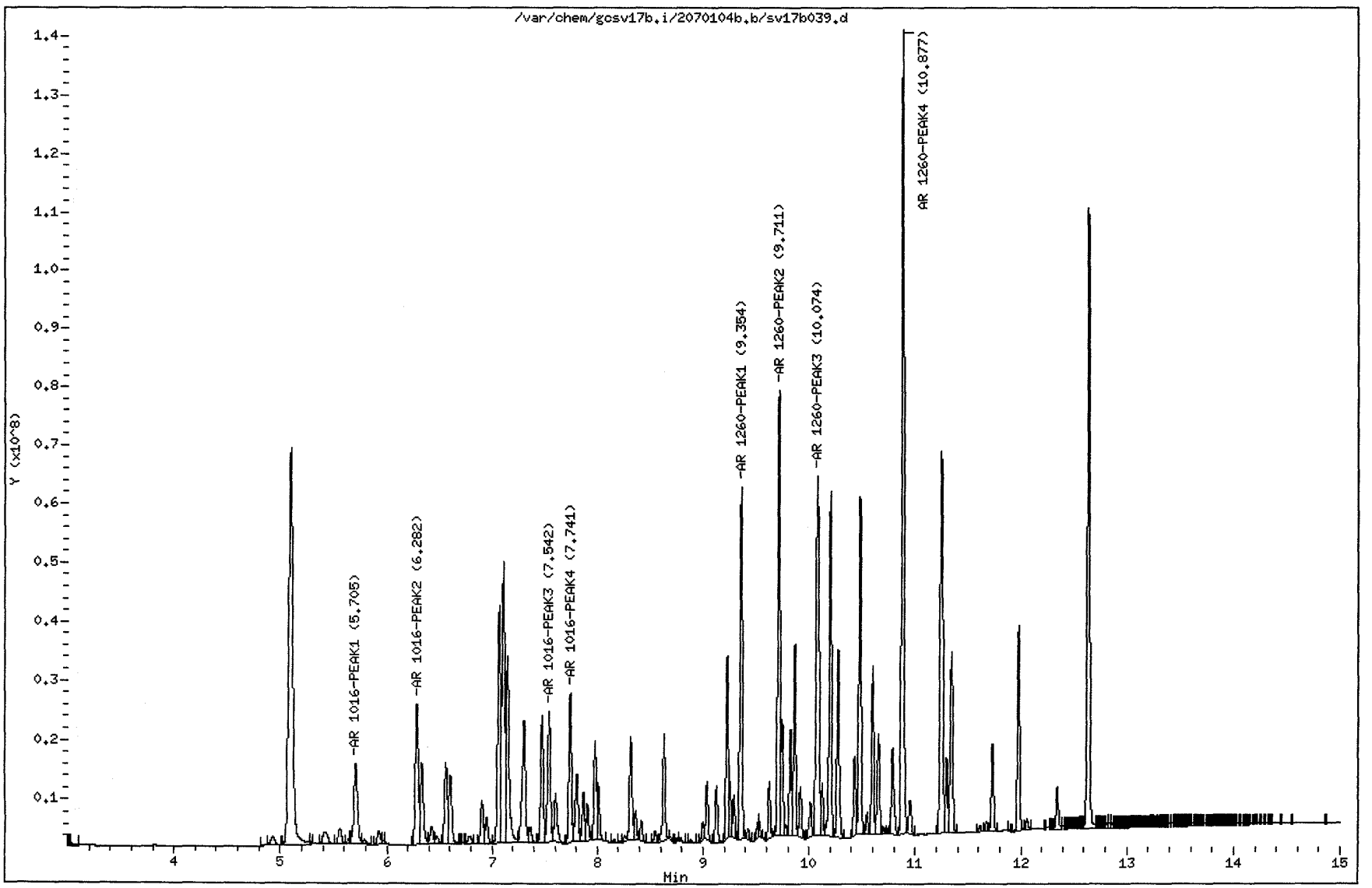
001311

035399

001312

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b039.d
Date : 05-JAN-2007 10:11
Client ID:
Sample Info: 1400x1 65-44-8
Volume Injected (uL): 1.0
Column phase: RTX-XLB-30M

Instrument: gcsv17b.i
Operator: tls
Column diameter: 0.32



035400

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b052.d
Report Date: 08-Jan-2007 07:28

GCAL, Inc.

CONTINUING CALIBRATION COMPOUNDS

Instrument ID: gcsv17b.i Injection Date: 05-JAN-2007 16:47
Lab File ID: sv17b052.d Init. Cal. Date(s): 24-NOV-2006 25-NOV-2006
Analysis Type: WATER Init. Cal. Times: 17:25 01:08
Lab Sample ID: 1400 Quant Type: ESTD
Method: /var/chem/gcsv17b.i/2070104b.b/pestXLB.m

COMPOUND	RRF / AMOUNT	RF60	MIN RRF	MIN %D / %DRIFT	MAX %D / %DRIFT	CURVE TYPE	
M 23 AR 1016-AVG	443976	385806	0.010	13.10194	15.00000	Averaged	
24 AR 1016-PEAK1	93948	79138	0.010	15.76393	15.00000	Averaged	<-
25 AR 1016-PEAK2	126168	110615	0.010	12.32746	15.00000	Averaged	
26 AR 1016-PEAK3	112051	102697	0.010	8.34793	15.00000	Averaged	
27 AR 1016-PEAK4	111809	93356	0.010	16.50346	15.00000	Averaged	<-
M 28 AR 1260-AVG	1323929	1184282	0.010	10.54791	15.00000	Averaged	
29 AR 1260-PEAK1	235425	210011	0.010	10.79468	15.00000	Averaged	
30 AR 1260-PEAK2	280935	228491	0.010	18.66736	15.00000	Averaged	<-
31 AR 1260-PEAK3	310962	272777	0.010	12.27956	15.00000	Averaged	
32 AR 1260-PEAK4	496608	473003	0.010	4.75339	15.00000	Averaged	

Average %D / Drift Results.

Calculated Average %D/Drift = 12.30876
Maximun Average %D/Drift = 15.00000
* Passed Average %D/Drift Test.

001313

035401

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b052.d
Report Date: 08-Jan-2007 07:28

GCAL, Inc.

Data file : /var/chem/gcsv17b.i/2070104b.b/sv17b052.d
Lab Smp Id: 1400
Inj Date : 05-JAN-2007 16:47
Operator : tls Inst ID: gcsv17b.i
Smp Info : 1400*1 65-44-8
Misc Info :
Comment :
Method : /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Meth Date : 08-Jan-2007 07:28 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 01:08 Cal File: sv17b024.d
Als bottle: 52 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

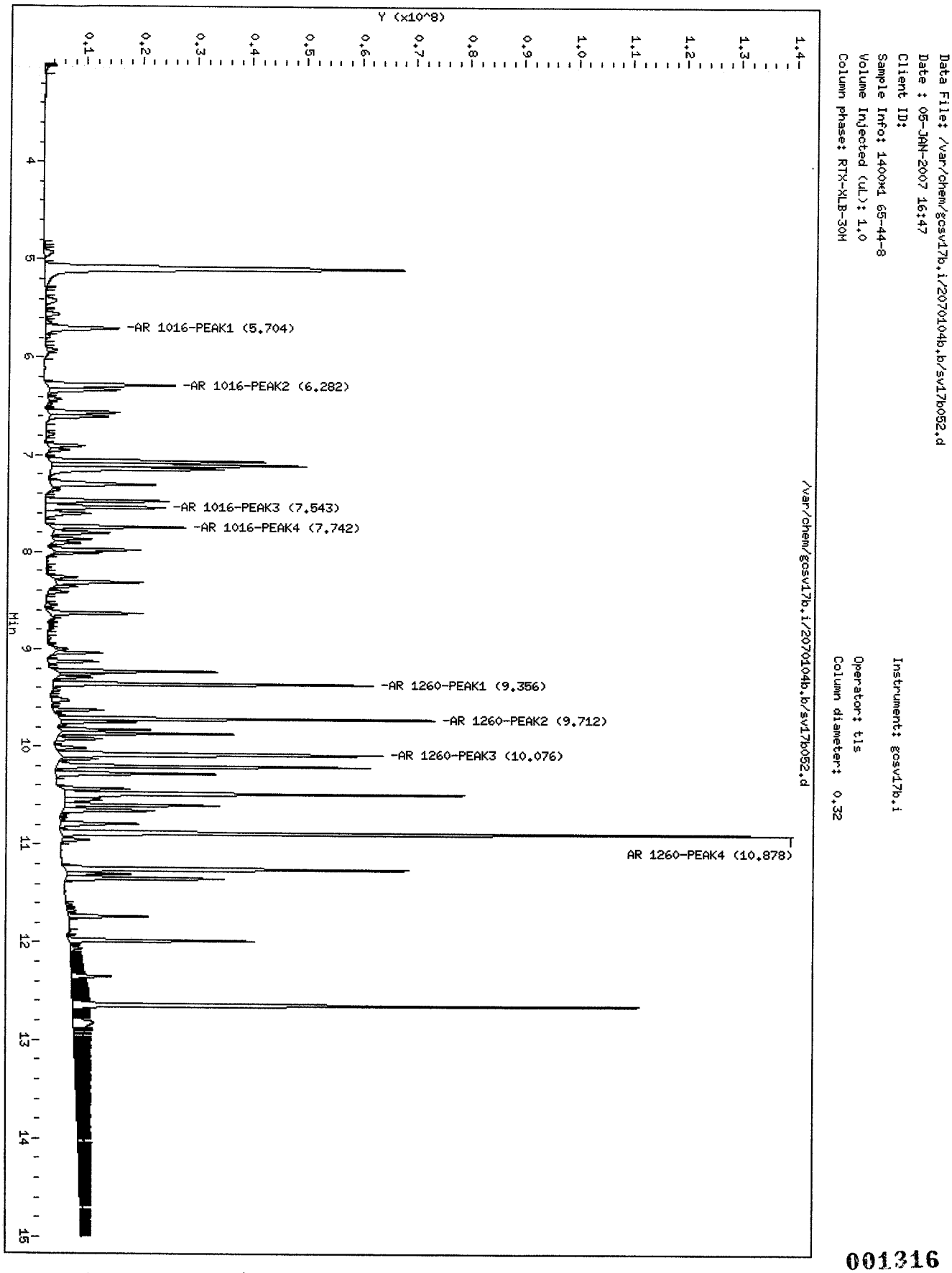
	Compounds	RT	EXP RT	DLT RT	RESPONSE	AMOUNTS CAL-AMT (UG/L)	AMOUNTS ON-COL (UG/L)
M	23 AR 1016-AVG				154322592	400.000	350
	24 AR 1016-PEAK1	5.704	5.704	0.000	31655126	400.000	340(M2)
	25 AR 1016-PEAK2	6.282	6.289	-0.007	44245886	400.000	350
	26 AR 1016-PEAK3	7.543	7.543	0.000	41078988	400.000	370(M2)
	27 AR 1016-PEAK4	7.742	7.748	-0.006	37342592	400.000	330
M	28 AR 1260-AVG				473712843	400.000	360
	29 AR 1260-PEAK1	9.356	9.361	-0.005	84004481	400.000	360
	30 AR 1260-PEAK2	9.712	9.719	-0.007	91396595	400.000	330
	31 AR 1260-PEAK3	10.076	10.081	-0.005	109110735	400.000	350
	32 AR 1260-PEAK4	10.878	10.886	-0.008	189201032	400.000	380

Data File: /var/chem/gcsv17b.i/2070104b.b/sv17b052.d
Report Date: 08-Jan-2007 07:28

QC Flag Legend

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

035403



001316

035404

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB436882

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 436882

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1238

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
11104-28-2	Aroclor-1221	0.020	U	0.00459	0.020
11141-16-5	Aroclor-1232	0.020	U	0.00503	0.020
53469-21-9	Aroclor-1242	0.020	U	0.00587	0.020
12672-29-6	Aroclor-1248	0.020	U	0.00391	0.020
11097-69-1	Aroclor-1254	0.020	U	0.00325	0.020
12674-11-2	Aroclor-1016	0.020	U	0.00269	0.020
11096-82-5	Aroclor-1260	0.020	U	0.00271	0.020

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a004.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a004.d
Lab Smp Id: 436882
Inj Date : 16-DEC-2006 12:38
Operator : tls Inst ID: gcsv18a.i
Smp Info : 436882*1 mb s
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

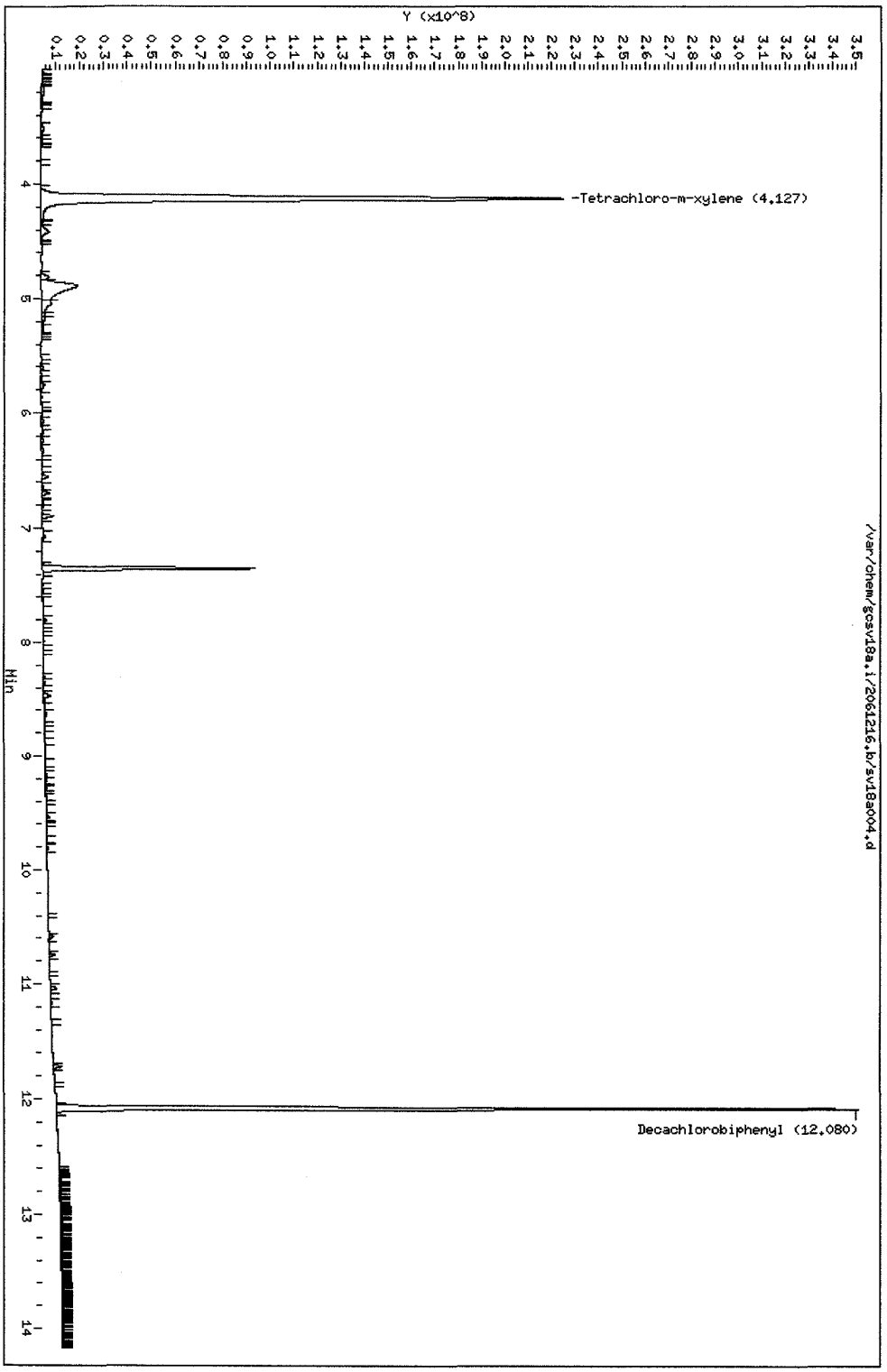
Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.127	4.116	0.011	627503967	116.883	19(A)
$ 22 Decachlorobiphenyl	12.080	12.078	0.002	488696421	120.225	20

QC Flag Legend

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

001318

035406


Data File: /var/chem/gcsv18a.i/20061216.b/sv18a004.d
Date : 16-DEC-2006 12:38
Client ID:
Sample Info: 436882%1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
-Tetrachloro-m-xylene (4.127)
Decachlorobiphenyl (12.080)
/var/chem/gcsv18a.i/20061216.b/sv18a004.d
Min

001319

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: MB444612

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 444612

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/07 | Time: 1431

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a004

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
11104-28-2	Aroclor-1221	0.020	U	0.00459	0.020
11141-16-5	Aroclor-1232	0.020	U	0.00503	0.020
53469-21-9	Aroclor-1242	0.020	U	0.00587	0.020
12672-29-6	Aroclor-1248	0.020	U	0.00391	0.020
11097-69-1	Aroclor-1254	0.020	U	0.00325	0.020
12674-11-2	Aroclor-1016	0.020	U	0.00269	0.020
11096-82-5	Aroclor-1260	0.020	U	0.00271	0.020

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a004.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a004.d
Lab Smp Id: 444612
Inj Date : 04-JAN-2007 14:31
Operator : tls Inst ID: gcsv17a.i
Smp Info : 444612*1 mb s
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 4 QC Sample: BLANK
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: all.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.907	4.903	0.004	401208285	82.0905	14
$ 22 Decachlorobiphenyl	12.813	12.824	-0.011	331137418	91.2658	15

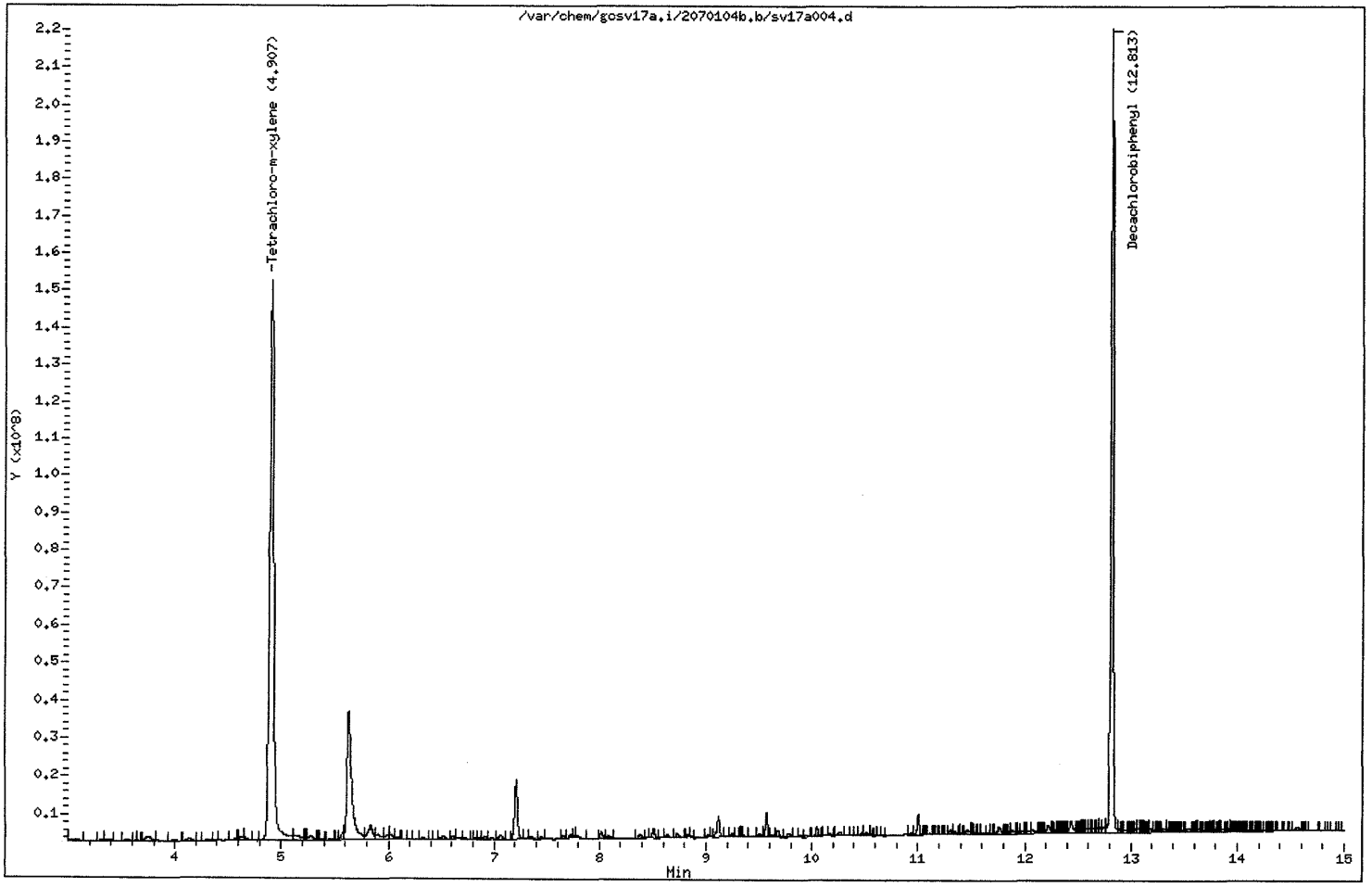
001321

035409

004322

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a004.d
Date : 04-JAN-2007 14:31
Client ID:
Sample Info: 444612*1 mb s
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32



1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS436883

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 436883

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1334

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.158		0.00269	0.020
11096-82-5	Aroclor-1260	0.166		0.00271	0.020

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a007.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a007.d
Lab Smp Id: 436883
Inj Date : 16-DEC-2006 13:34
Operator : tls Inst ID: gcsv18a.i
Smp Info : 436883*1 lcs
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1260s.sub
Target Version: 3.50
Processing Host: org.gcal.com

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

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

Cpnd Variable Local Compound Variable

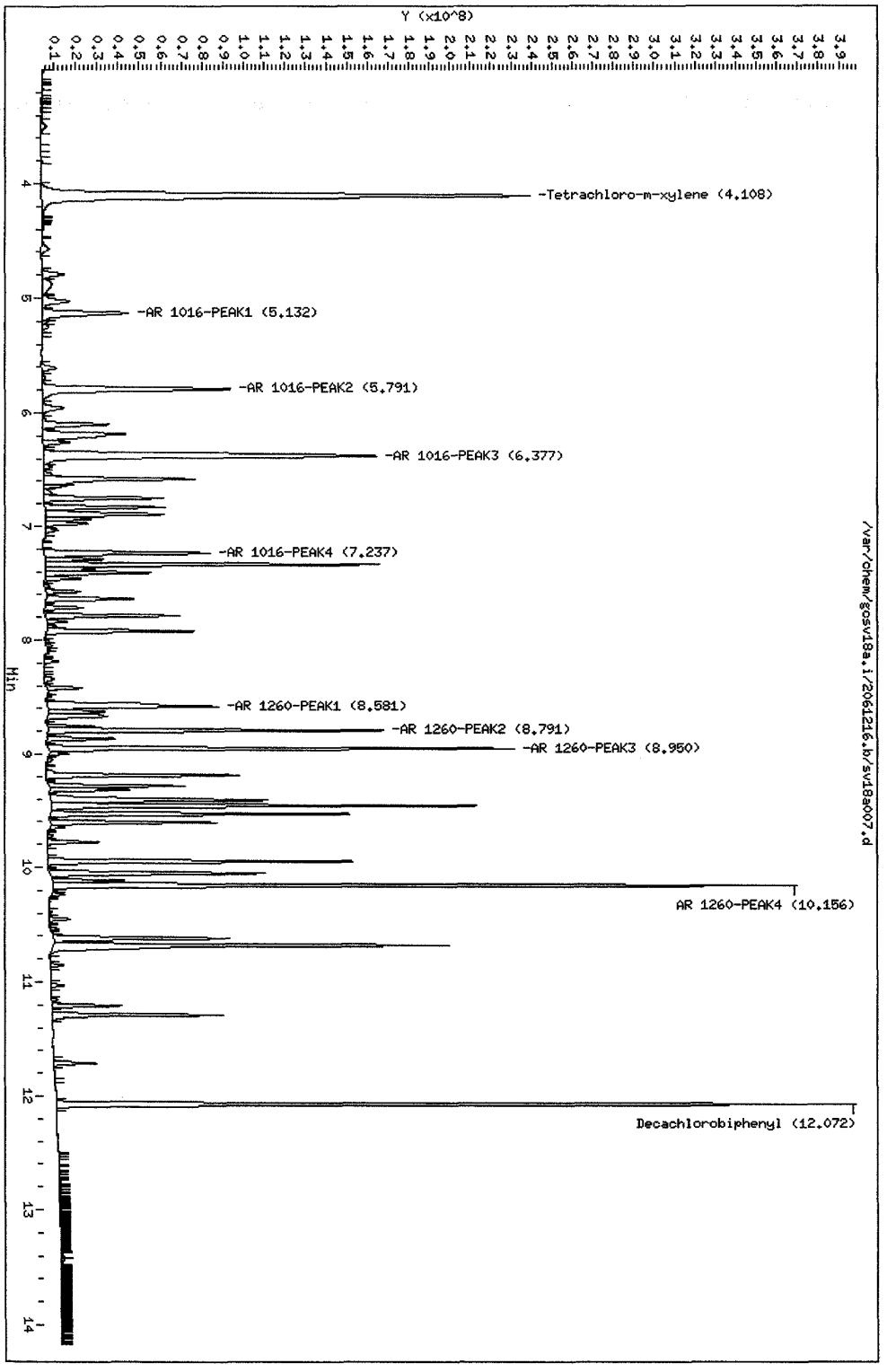
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.108	4.116	-0.008	681540247	126.948	21(A)
$	22 Decachlorobiphenyl	12.072	12.078	-0.006	561608862	138.162	23
M	23 AR 1016-AVG				892682745	945.145	160
	24 AR 1016-PEAK1	5.132	5.138	-0.006	96117364	884.170	150
	25 AR 1016-PEAK2	5.791	5.797	-0.006	214437317	925.129	150
	26 AR 1016-PEAK3	6.377	6.380	-0.003	431465114	949.779	160
	27 AR 1016-PEAK4	7.237	7.241	-0.004	150662950	1006.35	170
M	28 AR 1260-AVG				1278838237	994.214	170
	29 AR 1260-PEAK1	8.581	8.587	-0.006	181086041	1183.46	200
	30 AR 1260-PEAK2	8.791	8.797	-0.006	247526865	949.442	160
	31 AR 1260-PEAK3	8.950	8.955	-0.005	327532819	1053.50	180
	32 AR 1260-PEAK4	10.156	10.160	-0.004	522692512	930.622	160

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a007.d
Report Date: 19-Dec-2006 15:11

QC Flag Legend

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

035413



001326

035414

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCS444613

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 444613

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

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

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/04/07 | Time: 1534

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a007

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.087		0.00269	0.020
11096-82-5	Aroclor-1260	0.100		0.00271	0.020

FORM I ORG-1

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a007.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a007.d
Lab Smp Id: 444613
Inj Date : 04-JAN-2007 15:34
Operator : tls Inst ID: gcsv17a.i
Smp Info : 444613*1
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 7 QC Sample: LCS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: ar1260s.sub
Target Version: 3.50
Processing Host: org.gcal.com

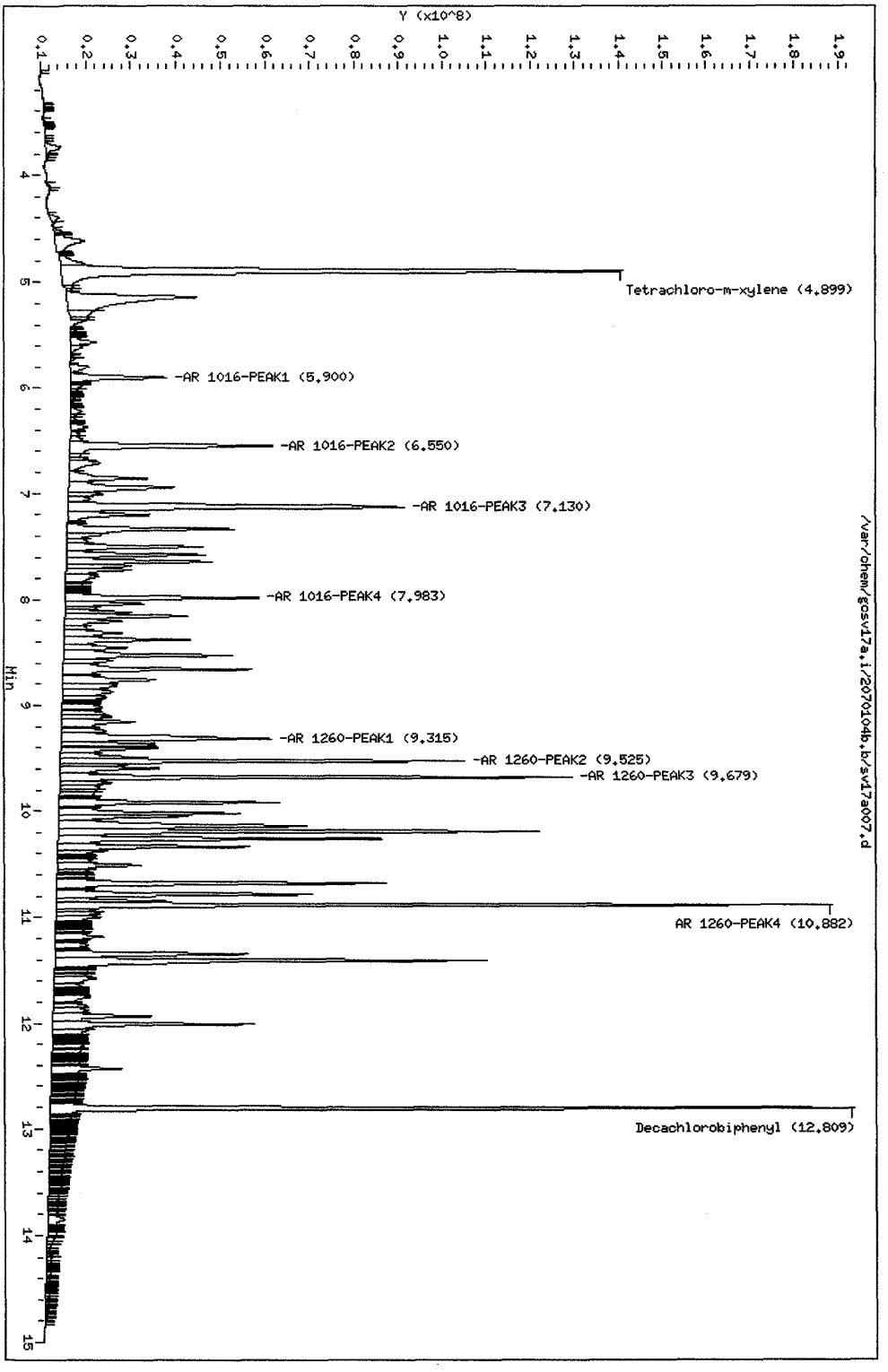
Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

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)	CONCENTRATIONS FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.899	4.903	-0.004	356174966	72.8763	12
$	22 Decachlorobiphenyl	12.809	12.824	-0.015	294334266	81.1224	14
M	23 AR 1016-AVG				461478310	522.764	87
	24 AR 1016-PEAK1	5.900	5.905	-0.005	48685714	498.038	83
	25 AR 1016-PEAK2	6.550	6.553	-0.003	111219348	506.357	84
	26 AR 1016-PEAK3	7.130	7.134	-0.004	209553553	500.541	83
	27 AR 1016-PEAK4	7.983	7.988	-0.005	92019695	627.221	100
M	28 AR 1260-AVG				714279793	602.597	100
	29 AR 1260-PEAK1	9.315	9.321	-0.006	120442246	782.017	130
	30 AR 1260-PEAK2	9.525	9.531	-0.006	143507743	605.565	100
	31 AR 1260-PEAK3	9.679	9.684	-0.005	183222635	648.056	110
	32 AR 1260-PEAK4	10.882	10.887	-0.005	267107169	522.089	87

035416


Data File: /var/chem/gcsv17a.i/20701104b.b/sv17a007.d
Date : 04-JAN-2007 15:34
Client ID:
Sample Info: 444613#1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M
Instrument: gcsv17a.i
Operator: tls
Column diameter: 0.32
Y (x10^8)
Min
/var/chem/gcsv17a.i/20701104b.b/sv17a007.d
Tetrachloro-m-xylene (4.899)
-AR 1016-PEAK1 (5.900)
-AR 1016-PEAK2 (6.550)
-AR 1016-PEAK3 (7.130)
-AR 1016-PEAK4 (7.983)
-AR 1260-PEAK1 (9.315)
-AR 1260-PEAK2 (9.525)
-AR 1260-PEAK3 (9.679)
AR 1260-PEAK4 (10.882)
Decachlorobiphenyl (12.809)

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD436884

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

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 436884

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1353

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a008

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.164		0.00269	0.020
11096-82-5	Aroclor-1260	0.165		0.00271	0.020

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a008.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a008.d
Lab Smp Id: 436884
Inj Date : 16-DEC-2006 13:53
Operator : tls Inst ID: gcsv18a.i
Smp Info : 436884*1 lcsd
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 8 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

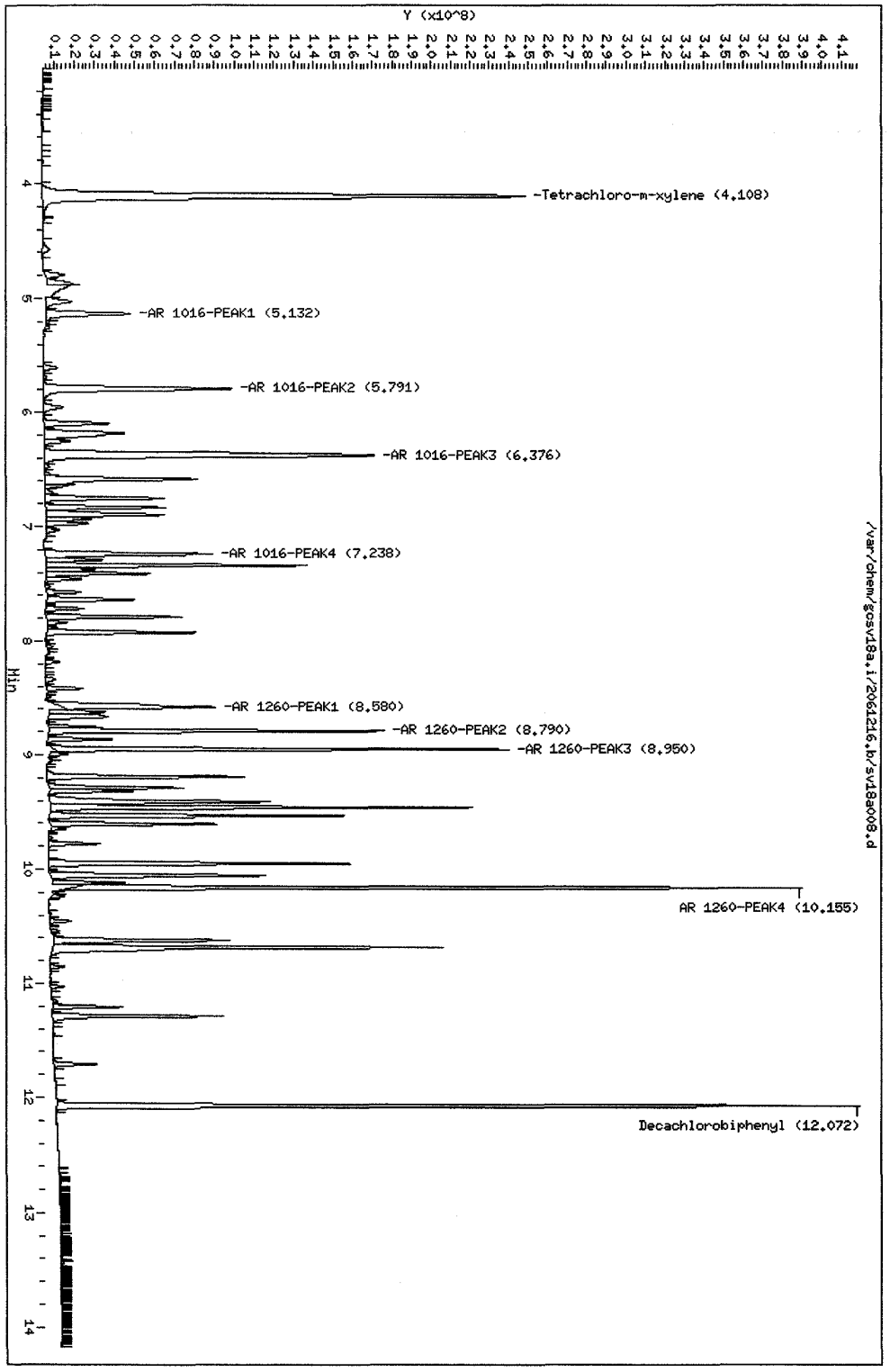
	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.108	4.116	-0.008	696991935	129.826	22(A)
$	22 Decachlorobiphenyl	12.072	12.078	-0.006	579708860	142.615	24
M	23 AR 1016-AVG				928815278	983.401	160
	24 AR 1016-PEAK1	5.132	5.138	-0.006	94514724	869.428	140
	25 AR 1016-PEAK2	5.791	5.797	-0.006	222731040	960.910	160
	26 AR 1016-PEAK3	6.376	6.380	-0.004	453176858	997.573	170
	27 AR 1016-PEAK4	7.238	7.241	-0.003	158392656	1057.98	180
M	28 AR 1260-AVG				1276063090	992.057	170
	29 AR 1260-PEAK1	8.580	8.587	-0.007	166929495	1090.95	180(M2)
	30 AR 1260-PEAK2	8.790	8.797	-0.007	259487445	995.319	170
	31 AR 1260-PEAK3	8.950	8.955	-0.005	334350309	1075.43	180(M2)
	32 AR 1260-PEAK4	10.155	10.160	-0.005	515295841	917.453	150(M2)

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a008.d
Report Date: 19-Dec-2006 15:11

QC Flag Legend

A - Target compound detected but, quantitated amount
    exceeded maximum amount.
M2- Compound response manually integrated because
    Target system integrated incorrectly.

035420



Data File: /var/chem/gcsv18a.i/2061216.b/sv18a008.d
Date : 16-DEC-2006 13:53
Client ID:
Sample Info: 436884m1 losd
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: LCSD444614

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30 | Units: g | Lab Sample ID: 444614

Level: (low/med) LOW | Date Collected: | Time:

% Moisture: | decanted: (Y/N) | Date Received:

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/27/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 01/05/07 | Time: 1039

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: 340220 | Analytical Batch: 340230 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2070104b/sv17a040

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.082		0.00269	0.020
11096-82-5	Aroclor-1260	0.086		0.00271	0.020

FORM I ORG-1

Data File: /var/chem/gcsv17a.i/2070104b.b/sv17a040.d
Report Date: 08-Jan-2007 10:29

GCAL, Inc.

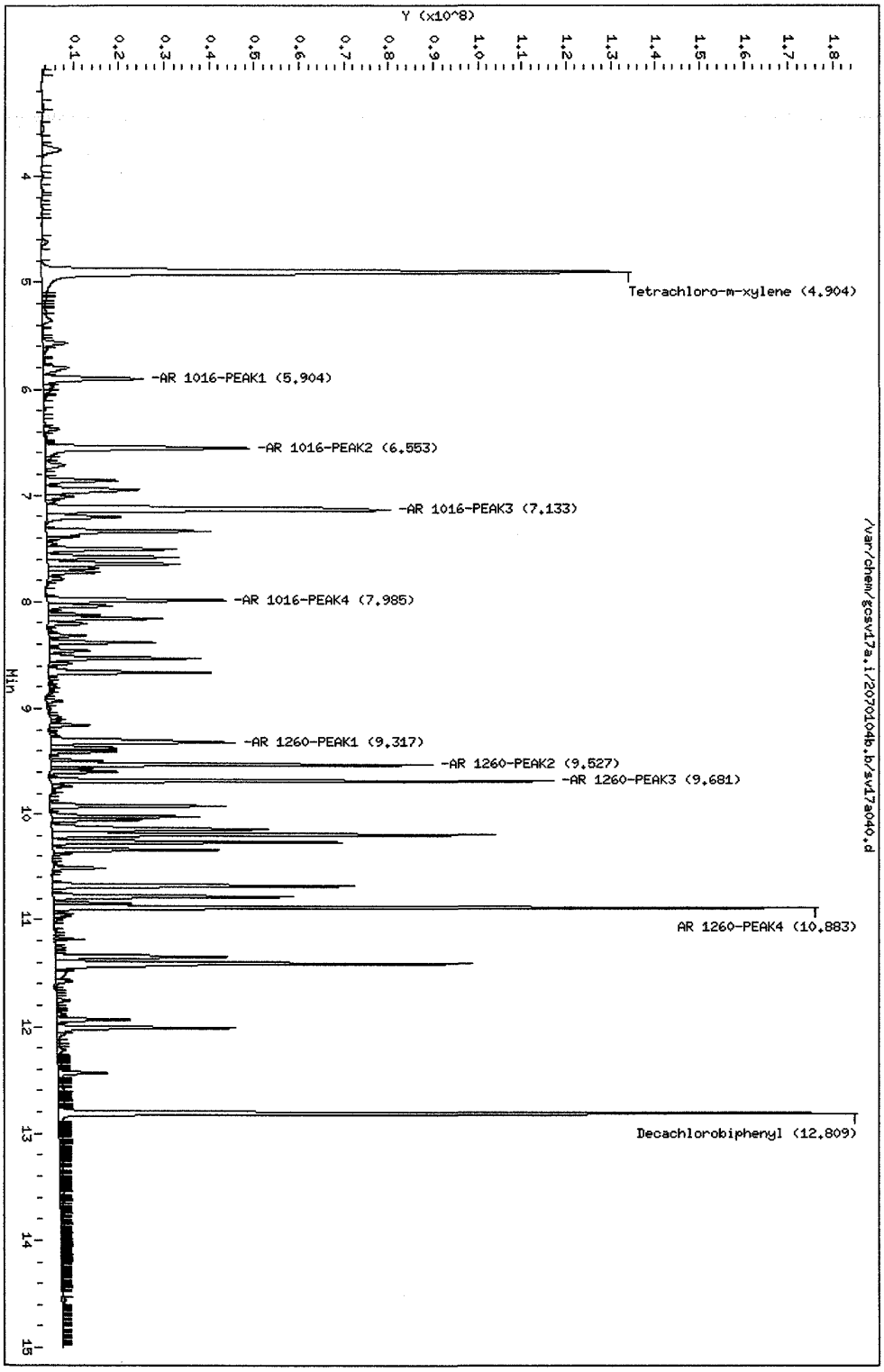
Data file : /var/chem/gcsv17a.i/2070104b.b/sv17a040.d
Lab Smp Id: 444614
Inj Date : 05-JAN-2007 10:39
Operator : tls Inst ID: gcsv17a.i
Smp Info : 444614*1 pcb
Misc Info : GCSV~10831~*
Comment :
Method : /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Meth Date : 08-Jan-2007 10:29 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 40 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)	CONCENTRATIONS FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.904	4.903	0.001	355530110	72.7444	12
$	22 Decachlorobiphenyl	12.809	12.824	-0.015	276441771	76.1910	13
M	23 AR 1016-AVG				433311766	490.857	82
	24 AR 1016-PEAK1	5.904	5.905	-0.001	47048811	481.293	80
	25 AR 1016-PEAK2	6.553	6.553	0.000	105119777	478.587	80
	26 AR 1016-PEAK3	7.133	7.134	-0.001	207070802	494.611	82
	27 AR 1016-PEAK4	7.985	7.988	-0.003	74072376	504.889	84
M	28 AR 1260-AVG				609161765	513.915	86
	29 AR 1260-PEAK1	9.317	9.321	-0.004	88835427	576.797	96
	30 AR 1260-PEAK2	9.527	9.531	-0.004	122867596	518.469	86
	31 AR 1260-PEAK3	9.681	9.684	-0.003	157651754	557.612	93
	32 AR 1260-PEAK4	10.883	10.887	-0.004	239806988	468.728	78



001336

035424

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED1-001 (0-0.5) MS

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.4 | Units: g | Lab Sample ID: 20612072804

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1115

% Moisture: 45.5 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1545

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a014

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.242		0.00486	0.036
11104-28-2	Aroclor-1221	0.036	U	0.00831	0.036
11141-16-5	Aroclor-1232	0.036	U	0.00910	0.036
53469-21-9	Aroclor-1242	0.036	U	0.011	0.036
12672-29-6	Aroclor-1248	0.036	U	0.00707	0.036
11097-69-1	Aroclor-1254	0.036	U	0.00588	0.036
11096-82-5	Aroclor-1260	0.275		0.00491	0.036

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a014.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a014.d
Lab Smp Id: 20612072804
Inj Date : 16-DEC-2006 15:45
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072804*1 ms
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 14 QC Sample: MS
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.40000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.114	4.116	-0.002	641200310	119.434	20(A)
$	22 Decachlorobiphenyl	12.071	12.078	-0.007	574443170	141.320	23
M	23 AR 1016-AVG				760309135	804.992	130
	24 AR 1016-PEAK1	5.135	5.138	-0.003	78532492	722.410	120
	25 AR 1016-PEAK2	5.792	5.797	-0.005	176087713	759.680	120
	26 AR 1016-PEAK3	6.377	6.380	-0.003	376392974	828.549	140
	27 AR 1016-PEAK4	7.237	7.241	-0.004	129295956	863.629	140
M	28 AR 1260-AVG				1175107424	913.570	150
	29 AR 1260-PEAK1	8.580	8.587	-0.007	153683624	1004.38	170
	30 AR 1260-PEAK2	8.790	8.797	-0.007	220697286	846.531	140
	31 AR 1260-PEAK3	8.949	8.955	-0.006	297207185	955.959	160
	32 AR 1260-PEAK4	10.155	10.160	-0.005	503519329	896.486	150

001338

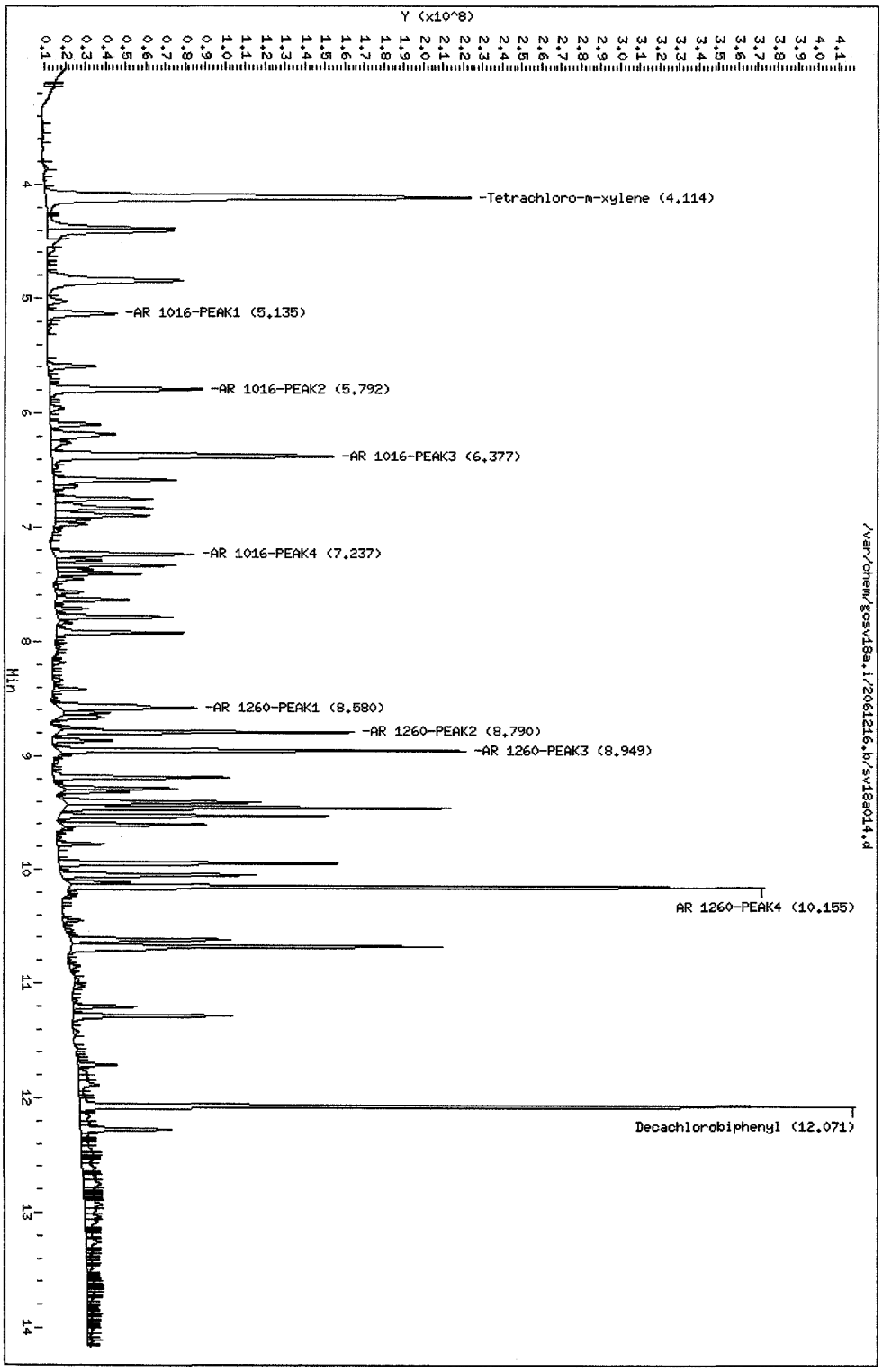
035426

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a014.d
Report Date: 19-Dec-2006 15:11

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.

035427



Data File: /var/chem/gcsv18a.i/2061216.b/sv18a014.d
Date : 16-DEC-2006 15:45
Client ID:
Sample Info: 20612072804*1 ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

001340

035428

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED1-001 (0-0.5) MSD

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206120728

Sample wt/vol: 30.2 | Units: g | Lab Sample ID: 20612072805

Level: (low/med) LOW | Date Collected: 12/06/06 | Time: 1115

% Moisture: 45.5 | decanted: (Y/N) | Date Received: 12/07/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/08/06

Concentrated Extract Volume: 5000 (µL) | Date Analyzed: 12/16/06 | Time: 1604

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: 338461 | Analytical Batch: 339132 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS18A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061216/sv18a015

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	0.246		0.00490	0.036
11104-28-2	Aroclor-1221	0.036	U	0.00836	0.036
11141-16-5	Aroclor-1232	0.036	U	0.00916	0.036
53469-21-9	Aroclor-1242	0.036	U	0.011	0.036
12672-29-6	Aroclor-1248	0.036	U	0.00712	0.036
11097-69-1	Aroclor-1254	0.036	U	0.00592	0.036
11096-82-5	Aroclor-1260	0.274		0.00494	0.036

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a015.d
Report Date: 19-Dec-2006 15:11

GCAL, Inc.

Data file : /var/chem/gcsv18a.i/2061216.b/sv18a015.d
Lab Smp Id: 20612072805
Inj Date : 16-DEC-2006 16:04
Operator : tls Inst ID: gcsv18a.i
Smp Info : 20612072805*1 ms
Misc Info : GCSV~10748~*
Comment :
Method : /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Meth Date : 19-Dec-2006 15:11 tls Quant Type: ESTD
Cal Date : 12-DEC-2006 01:14 Cal File: sv18a022.d
Als bottle: 15 QC Sample: MSD
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	5.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	30.20000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

	Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	FINAL (UG/KG)
$	1 Tetrachloro-m-xylene	4.113	4.116	-0.003	609487425	113.527	19(A)
$	22 Decachlorobiphenyl	12.072	12.078	-0.006	530437807	130.494	22
M	23 AR 1016-AVG				762298743	807.099	130
	24 AR 1016-PEAK1	5.134	5.138	-0.004	77835277	715.996	120
	25 AR 1016-PEAK2	5.792	5.797	-0.005	179137229	772.837	130
	26 AR 1016-PEAK3	6.377	6.380	-0.003	376106687	827.919	140
	27 AR 1016-PEAK4	7.237	7.241	-0.004	129219550	863.119	140
M	28 AR 1260-AVG				1155863775	898.610	150
	29 AR 1260-PEAK1	8.580	8.587	-0.007	155788182	1018.13	170
	30 AR 1260-PEAK2	8.790	8.797	-0.007	219031339	840.141	140
	31 AR 1260-PEAK3	8.949	8.955	-0.006	291837928	938.689	160
	32 AR 1260-PEAK4	10.155	10.160	-0.005	489206326	871.002	140

001342

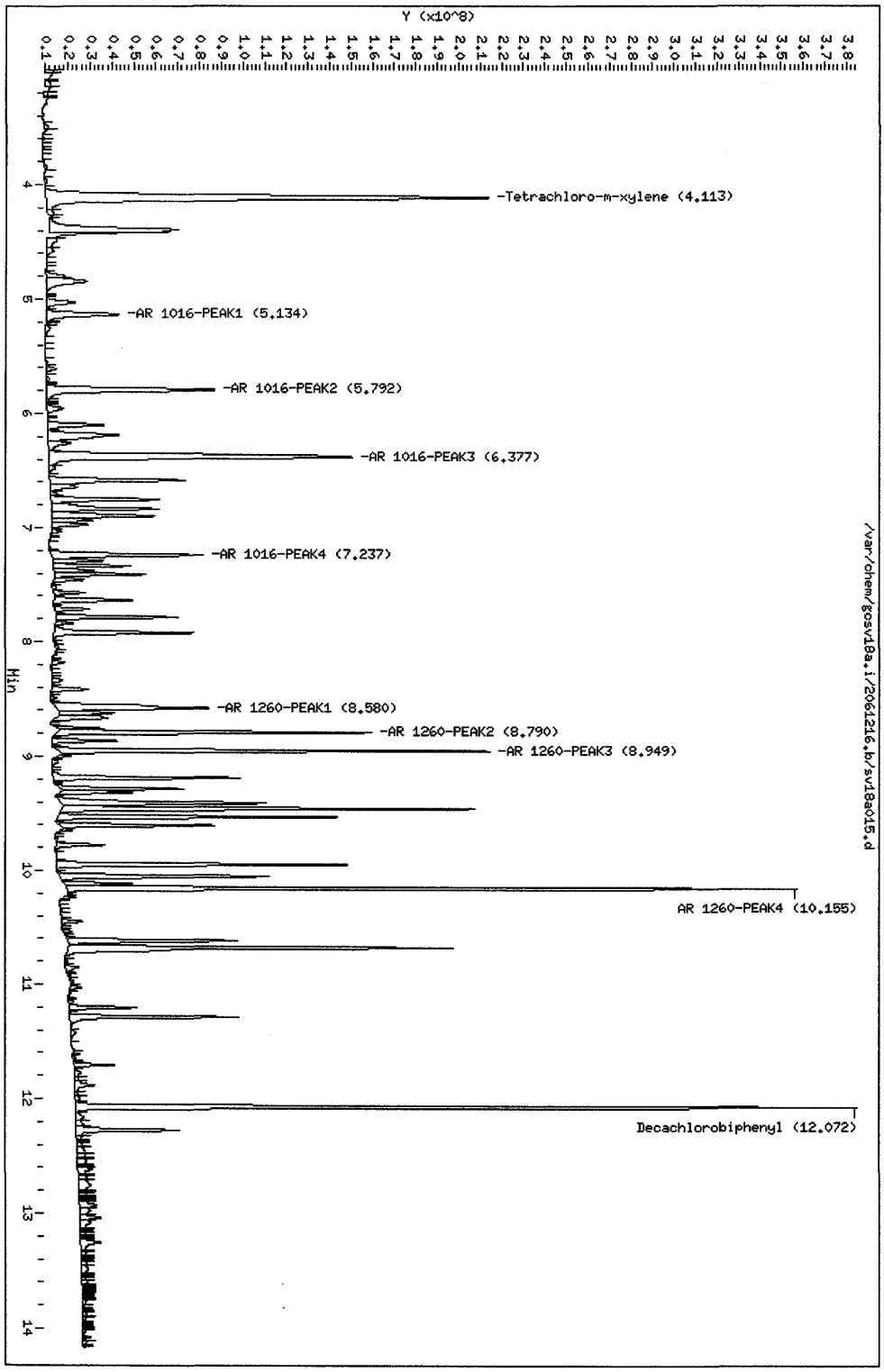
035430

Data File: /var/chem/gcsv18a.i/2061216.b/sv18a015.d
Report Date: 19-Dec-2006 15:11

QC Flag Legend

A - Target compound detected but, quantitated amount
exceeded maximum amount.

035431



Data File: /var/chem/gcsv18a.i/20061216.b/sv18a015.d
Date : 16-DEC-2006 16:04
Client ID:
Sample Info: 20612072805x1 ms
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv18a.i
Operator: tls
Column diameter: 0.32

001344

035432

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/08/06 2100	BATCH NO:	338461
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 338461 [EXTO/15784]	436882	30.0	5.0		PCB	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 338461 [EXTO/15784	436883	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 338461 [EXTO/1578	436884	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	SWSED1-001 (0-0.5)	20612072801	30.5	5.0			
5	4482	SWSED8-008 (0-0.5)	20612072802	30.3	5.0			GPC CLEANUP/3640
6	4482	SWSED16-016 (0-0.5)	20612072803	30.0	5.0			
7	4482	SWSED1-001 (0-0.5) MS	20612072804	30.4	5.0			SONICATOR/3550
8	4482	SWSED1-001 (0-0.5) MSD	20612072805	30.2	5.0			
9	4482	SWSED2-002 (0-0.5)	20612072806	30.0	5.0			FLORISIL CLEANUP/3620
10	4482	SWSED5-005 (0-0.5)	20612072807	30.5	5.0			
11	4482	SWSED6-006 (0-0.5)	20612072808	30.4	5.0			PCB H2So4/3665A CLEANUP
12	4482	SWSED9-009 (0-0.5)	20612072809	30.1	5.0			
13	4482	SWSED10-010 (0-0.5)	20612072810	30.4	5.0			WASTE DILUTION/3580
14	4482	SWSED11-011 (0-0.5)	20612072811	30.0	5.0			
15	4482	SWSED12-012 (0-0.5)	20612072812	30.5	5.0			TCLP EXTRACTION FLUID 1
16	4482	SWSED3-003 (0-0.5)	20612072813	30.2	5.0			
17	4482	SWSED3-003 (0-0.5)D	20612072814	30.2	5.0			TCLP EXTRACTION FLUID 2
18	4482	SWSED4-004 (0-0.5)	20612072815	30.1	5.0			
19	4482	SWSED15-015 (0-0.5)	20612072816	30.4	5.0			MECL2/Acetone No:
20	4482	SWSED7-007 (0-0.5)	20612072817	30.3	5.0			C30E50
21	4482	SWSED13-013 (0-0.5)	20612072818	30.1	5.0			ACETONE LOT NO:
22	4482	SWSED14-014 (0-0.5)	20612072819	30.5	5.0			
23	4482	SWSED17-017 (0-0.5)	20612072820	30.2	5.0			MECL2 Lot No:
24								
25			12-9-6 IPA					HEXANE Lot No: C28E11
26								
27								Sodium Sulfate Lot No: C34b05
28								

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

PCB

SURROGATE ID	10-46-2	8081 SPIKE ID	10-42-8	608 SPIKE ID		TECHNICIAN	DATE
VOLUME	1.0 ml	VOLUME	1.0 ml	VOLUME		[signature]	12/08/06
CONCENTRATION	0.5 ug/ml	CONCENTRATION	4.0 ug/ml	CONCENTRATION			
ACID						SUPERVISOR	DATE
SPIKE WITNESS	LT					Jody Pierson	12-9-6

Cookdown: CDJ
bottleup: CDJ

001345

035433

PESTICIDE SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12/27/06 15:00	BATCH NO:	340220
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 340220 [EXTO/16016]	444612	30.0	5.0		PCB	LIQUID LIQUID/3520
2	QC ACCOUNT	LCS for HBN 340220 [EXTO/16016	444613	30.0	5.0			
3	QC ACCOUNT	LCSD for HBN 340220 [EXTO/1601	444614	30.0	5.0			SEPARATORY FUNNEL/3510
4	4482	2WSED16-016 (0-0.5)	20612072803	30.1	5.0			
5	4482	2WSED2-002 (0-0.5)	20612072806	30.4	5.0			GPC CLEANUP/3640
6	4482	2WSED5-005 (0-0.5)	20612072807	30.0	5.0			
7	4482	2WSED6-006 (0-0.5)	20612072808	30.3	5.0			SONICATOR/3550 ✓
8	4482	2WSED3-003 (0-0.5)	20612072813	30.1	5.0			
9	4482	2WSED3-003 (0-0.5)D	20612072814	30.1	5.0			FLORISIL CLEANUP/3620
10	4482	2WSED4-004 (0-0.5)	20612072815	30.3	5.0			
11	4482	2WSED15-015 (0-0.5)	20612072816	30.0	5.0			PCB H2So4/3665A CLEANUP
12	4482	2WSED17-017 (0-0.5)	20612072820	30.1	5.0			
13								WASTE DILUTION/3580
14								
15								TCLP EXTRACTION FLUID 1
16								
17								TCLP EXTRACTION FLUID 2
18								
19								MECL2/Acetone No:
20								C19E35
21								ACETONE LOT NO:
22								
23								MECL2 Lot No:
24								
25								HEXANE Lot No:
26								C46E79
27								Sodium Sulfate Lot No:
28								E34605

SKB 01/08/07

COMMENTS: SAMPLE PREPARATION INCLUDE DETERMINATION OF SAMPLE VOLUME/WEIGHT, SOLVENT EXTRACTION AND EVAPORATION OF SOLVENT TO FINAL VOLUME

Samples was cook to 5.0mL, 1.0mL of each sample was filter through flor.s.l cleanup process, then brought up to 10mL. Sample was reduce to 1.0mL

PCB

SURROGATE ID	10-48-9	8081 SPIKE ID	10-42-8	608 SPIKE ID		TECHNICIAN	DATE
VOLUME	1.0mL	VOLUME	1.0mL	VOLUME		Sumel Thomas	12/27/06
CONCENTRATION	0.5ug/mL	CONCENTRATION	4.0ug/mL	CONCENTRATION			
ACID						SUPERVISOR	DATE
SPIKE WITNESS	JT					John Bailey	01/08/07

001346

035434

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/15/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2061211.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2061211.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18a001.d	1000.00 ml	11-DEC-2006 18:41	1.000	tls	1	deg
1206		sv18a002.d	1000.00 ml	11-DEC-2006 19:00	1.000	tls	2	8081
1201		sv18a003.d	1000.00 ml	11-DEC-2006 19:18	1.000	tls	3	8081
1202		sv18a004.d	1000.00 ml	11-DEC-2006 19:37	1.000	tls	4	8081
1203		sv18a005.d	1000.00 ml	11-DEC-2006 19:56	1.000	tls	5	8081
1204		sv18a006.d	1000.00 ml	11-DEC-2006 20:14	1.000	tls	6	8081
1205		sv18a007.d	1000.00 ml	11-DEC-2006 20:33	1.000	tls	7	8081
1600		sv18a008.d	1.00 ml	11-DEC-2006 20:52	1.000	tls	8	8081
1205		sv18a009.d	1000.00 ml	11-DEC-2006 21:10	1.000	tls	9	chlor
1201		sv18a010.d	1000.00 ml	11-DEC-2006 21:29	1.000	tls	10	tox
1205		sv18a011.d	1000.00 ml	11-DEC-2006 21:48	1.000	tls	11	tox
1203		sv18a012.d	1000.00 ml	11-DEC-2006 22:06	1.000	tls	12	aro1221
1203		sv18a013.d	1000.00 ml	11-DEC-2006 22:25	1.000	tls	13	aro1232
1203		sv18a014.d	1000.00 ml	11-DEC-2006 22:44	1.000	tls	14	aro1242
1203		sv18a015.d	1000.00 ml	11-DEC-2006 23:02	1.000	tls	15	aro1248
1203		sv18a016.d	1000.00 ml	11-DEC-2006 23:21	1.000	tls	16	aro1254
1206		sv18a017.d	1000.00 ml	11-DEC-2006 23:40	1.000	tls	17	aro1260
1201		sv18a018.d	1000.00 ml	11-DEC-2006 23:59	1.000	tls	18	aro1260
1202		sv18a019.d	1000.00 ml	12-DEC-2006 00:18	1.000	tls	19	aro1260
1203		sv18a020.d	1000.00 ml	12-DEC-2006 00:36	1.000	tls	20	aro1260
1204		sv18a021.d	1000.00 ml	12-DEC-2006 00:55	1.000	tls	21	aro1260
1205		sv18a022.d	1000.00 ml	12-DEC-2006 01:14	1.000	tls	22	aro1260
1600		sv18a023.d	1.00 ml	12-DEC-2006 01:33	1.000	tls	23	aro1260
deg		sv18a024.d	1000.00 ml	12-DEC-2006 01:51	1.000	tls	24	deg
436648		sv18a025.d	1000.00 ml	12-DEC-2006 02:10	1.000	hjl	25	all
436646		sv18a026.d	1000.00 ml	12-DEC-2006 02:29	1.000	hjl	26	8081
436647		sv18a027.d	1000.00 ml	12-DEC-2006 02:47	1.000	hjl	27	8081
436649		sv18a028.d	1000.00 ml	12-DEC-2006 03:06	1.000	hjl	28	ar1260s
436650		sv18a029.d	1000.00 ml	12-DEC-2006 03:25	1.000	hjl	29	ar1260s
20612072301		sv18a030.d	1000.00 ml	12-DEC-2006 03:43	1.000	hjl	30	all
20612072302		sv18a031.d	1000.00 ml	12-DEC-2006 04:02	1.000	hjl	31	all
20612072303		sv18a032.d	1000.00 ml	12-DEC-2006 04:21	1.000	hjl	32	8081
20612072304		sv18a033.d	1000.00 ml	12-DEC-2006 04:40	1.000	hjl	33	8081
20612072303		sv18a034.d	1000.00 ml	12-DEC-2006 04:58	1.000	hjl	34	ar1260s
1400		sv18a035.d	1000.00 ml	12-DEC-2006 05:17	1.000	tls	35	8081
1400		sv18a036.d	1000.00 ml	12-DEC-2006 05:35	1.000	tls	36	8081

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/19/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2061216.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv18a001.d	1000.00 ml	16-DEC-2006 10:57	1.000	tls	1	deg
1400		sv18a002.d	1000.00 ml	16-DEC-2006 11:15	1.000	tls	2	8081
1400		sv18a003.d	1000.00 ml	16-DEC-2006 11:34	1.000	tls	3	aro1260
436885		sv18a004.d	30.00 g	16-DEC-2006 12:38	1.000	tls	4	all
436886		sv18a005.d	30.00 g	16-DEC-2006 12:57	1.000	tls	5	8081
436887		sv18a006.d	30.00 g	16-DEC-2006 13:15	1.000	tls	6	8081
436883		sv18a007.d	30.00 g	16-DEC-2006 13:34	1.000	tls	7	ar1260s
436884		sv18a008.d	30.00 g	16-DEC-2006 13:53	1.000	tls	8	ar1260s
20612072801		sv18a009.d	30.50 g	16-DEC-2006 14:11	1.000	tls	9	all
20612072802		sv18a010.d	30.30 g	16-DEC-2006 14:30	1.000	tls	10	all
20612072803		sv18a011.d	30.00 g	16-DEC-2006 14:49	1.000	tls	11	all
20612072804		sv18a012.d	30.10 g	16-DEC-2006 15:08	1.000	tls	12	pest
20612072805		sv18a013.d	30.10 g	16-DEC-2006 15:26	1.000	tls	13	pest
20612072804		sv18a014.d	30.40 g	16-DEC-2006 15:45	1.000	tls	14	pcb
20612072805		sv18a015.d	30.20 g	16-DEC-2006 16:04	1.000	tls	15	pcb
20612072806		sv18a016.d	30.00 g	16-DEC-2006 16:23	1.000	tls	16	all
20612072807		sv18a017.d	30.50 g	16-DEC-2006 16:41	1.000	tls	17	all
20612072808		sv18a018.d	30.40 g	16-DEC-2006 17:00	1.000	tls	18	all
1400		sv18a019.d	1000.00 ml	16-DEC-2006 17:19	1.000	tls	19	8081
1400		sv18a020.d	1000.00 ml	16-DEC-2006 19:23	1.000	tls	20	8081
1400		sv18a021.d	1000.00 ml	16-DEC-2006 19:42	1.000	tls	21	aro1260
1400		sv18a022.d	1000.00 ml	16-DEC-2006 20:00	1.000	tls	22	aro1260
deg		sv18a023.d	1000.00 ml	18-DEC-2006 07:59	1.000	tls	23	deg
1400		sv18a024.d	1000.00 ml	18-DEC-2006 08:18	1.000	tls	24	8081
1400		sv18a025.d	1000.00 ml	18-DEC-2006 08:37	1.000	tls	25	aro1260
436886		sv18a026.d	30.00 g	18-DEC-2006 09:33	1.000	tls	26	8081
436887		sv18a027.d	30.00 g	18-DEC-2006 09:51	1.000	tls	27	8081
20612072809		sv18a028.d	30.10 g	18-DEC-2006 10:10	1.000	tls	28	all
20612072810		sv18a029.d	30.40 g	18-DEC-2006 10:28	1.000	tls	29	all
20612072811		sv18a030.d	30.00 g	18-DEC-2006 10:47	1.000	tls	30	all
20612072812		sv18a031.d	30.50 g	18-DEC-2006 11:06	1.000	tls	31	all
20612072813		sv18a032.d	30.20 g	18-DEC-2006 11:24	1.000	tls	32	all
20612072814		sv18a033.d	30.20 g	18-DEC-2006 11:43	1.000	tls	33	all
20612072815		sv18a034.d	30.10 g	18-DEC-2006 12:02	1.000	tls	34	all
20612072816		sv18a035.d	30.40 g	18-DEC-2006 12:20	1.000	tls	35	all
1400		sv18a036.d	1000.00 ml	18-DEC-2006 12:39	1.000	tls	36	8081

035436

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/19/2006
Instrument: gcsv18a.i
Method File: /var/chem/gcsv18a.i/2061216.b/pest35MS.m
Batch: /var/chem/gcsv18a.i/2061216.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
1400		sv18a037.d	1000.00 ml	18-DEC-2006 14:02	1.000	tls	37	8081
1400		sv18a038.d	1000.00 ml	18-DEC-2006 14:50	1.000	tls	38	aro1260
1400		sv18a039.d	30.00 g	18-DEC-2006 15:09	1.000	tls	39	aro1260
20612072817		sv18a040.d	30.30 g	18-DEC-2006 15:27	1.000	tls	40	all
20612072818		sv18a041.d	30.10 g	18-DEC-2006 15:46	1.000	tls	41	all
20612072819		sv18a042.d	30.50 g	18-DEC-2006 16:04	1.000	tls	42	all
20612072820		sv18a043.d	30.20 g	18-DEC-2006 16:23	1.000	tls	43	all
1400		sv18a044.d	1000.00 ml	18-DEC-2006 16:42	1.000	tls	44	8081
1400		sv18a045.d	1000.00 ml	18-DEC-2006 17:01	1.000	tls	45	8081
1400		sv18a046.d	1000.00 ml	18-DEC-2006 17:19	1.000	tls	46	aro1260
1400		sv18a047.d	1000.00 ml	18-DEC-2006 17:38	1.000	tls	47	aro1260
deg		sv18a048.d	1000.00 ml	19-DEC-2006 09:01	1.000	tls	48	deg
1400		sv18a049.d	1000.00 ml	19-DEC-2006 09:20	1.000	tls	49	8081
1400		sv18a050.d	1000.00 ml	19-DEC-2006 09:38	1.000	tls	50	aro1260
20612072817		sv18a051.d	30.30 g	19-DEC-2006 10:49	1.000	tls	51	all
20612072818		sv18a052.d	30.10 g	19-DEC-2006 11:07	1.000	tls	52	all
20612072819		sv18a053.d	30.50 g	19-DEC-2006 11:26	1.000	tls	53	all
1400		sv18a054.d	1000.00 ml	19-DEC-2006 11:45	1.000	tls	54	8081
1400		sv18a055.d	1000.00 ml	19-DEC-2006 12:43	1.000	tls	55	8081
1400		sv18a056.d	1000.00 ml	19-DEC-2006 13:06	1.000	tls	56	aro1260
1400		sv18a057.d	1000.00 ml	19-DEC-2006 13:25	1.000	tls	57	aro1260

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/01/2006
Instrument: gcsv17a.i
Method File: /var/chem/gcsv17a.i/2061124.b/pest35MS.m
Batch: /var/chem/gcsv17a.i/2061124.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv17a001.d	1000.00 ml	24-NOV-2006 16:43	1.000	tls	1	deg
1206		sv17a002.d	1000.00 ml	24-NOV-2006 17:04	1.000	tls	2	8081
1201		sv17a003.d	1000.00 ml	24-NOV-2006 17:25	1.000	tls	3	8081
1202		sv17a004.d	1000.00 ml	24-NOV-2006 17:46	1.000	tls	4	8081
1203		sv17a005.d	1000.00 ml	24-NOV-2006 18:07	1.000	tls	5	8081
1204		sv17a006.d	1000.00 ml	24-NOV-2006 18:28	1.000	tls	6	8081
1205		sv17a007.d	1000.00 ml	24-NOV-2006 18:49	1.000	tls	7	8081
1600		sv17a008.d	1.00 ml	24-NOV-2006 19:10	1.000	tls	8	8081
1205		sv17a009.d	1000.00 ml	24-NOV-2006 19:31	1.000	tls	9	chlor
1201		sv17a010.d	1000.00 ml	24-NOV-2006 19:52	1.000	tls	10	tox
1205		sv17a011.d	1000.00 ml	24-NOV-2006 20:13	1.000	tls	11	tox
1203		sv17a012.d	1000.00 ml	24-NOV-2006 20:34	1.000	tls	12	aro1221
1203		sv17a013.d	1000.00 ml	24-NOV-2006 20:55	1.000	tls	13	aro1232
1203		sv17a014.d	1000.00 ml	24-NOV-2006 21:17	1.000	tls	14	aro1242
1203		sv17a015.d	1000.00 ml	24-NOV-2006 21:38	1.000	tls	15	aro1248
1203		sv17a016.d	1000.00 ml	24-NOV-2006 21:59	1.000	tls	16	aro1254
1203		sv17a017.d	1000.00 ml	24-NOV-2006 22:20	1.000	tls	17	ar1262
1203		sv17a018.d	1000.00 ml	24-NOV-2006 22:41	1.000	tls	18	ar1268
1206		sv17a019.d	1000.00 ml	24-NOV-2006 23:02	1.000	tls	19	aro1260
1201		sv17a020.d	1000.00 ml	24-NOV-2006 23:23	1.000	tls	20	aro1260
1202		sv17a021.d	1000.00 ml	24-NOV-2006 23:44	1.000	tls	21	aro1260
1203		sv17a022.d	1000.00 ml	25-NOV-2006 00:05	1.000	tls	22	aro1260
1204		sv17a023.d	1000.00 ml	25-NOV-2006 00:26	1.000	tls	23	aro1260
1205		sv17a024.d	1000.00 ml	25-NOV-2006 00:47	1.000	tls	24	aro1260
1600		sv17a025.d	1.00 ml	25-NOV-2006 01:08	1.000	tls	25	aro1260
deg		sv17a026.d	1000.00 ml	25-NOV-2006 01:29	1.000	tls	26	deg
431052		sv17a027.d	30.00 g	25-NOV-2006 01:50	1.000	tls	27	all
431053		sv17a028.d	30.00 g	25-NOV-2006 02:11	1.000	tls	28	8081
431054		sv17a029.d	30.00 g	25-NOV-2006 02:32	1.000	tls	29	8081
431060		sv17a030.d	30.00 g	25-NOV-2006 02:52	1.000	tls	30	ar1260s
431061		sv17a031.d	30.00 g	25-NOV-2006 03:14	1.000	tls	31	ar1260s
20611170223		sv17a032.d	30.20 g	25-NOV-2006 03:34	1.000	tls	32	all
20611170301		sv17a033.d	30.00 g	25-NOV-2006 03:55	1.000	tls	33	all
431062		sv17a034.d	30.30 g	25-NOV-2006 04:17	1.000	tls	34	pcb
431063		sv17a035.d	30.00 g	25-NOV-2006 04:37	1.000	tls	35	pcb
20611170302		sv17a036.d	30.20 g	25-NOV-2006 04:58	1.000	tls	36	all

035438

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/12/2007
Instrument: gcsv17a.i
Method File: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Batch: /var/chem/gcsv17a.i/2070104b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv17a001.d	1000.00 ml	04-JAN-2007 12:42	1.000	tls	1	deg
1400		sv17a002.d	1000.00 ml	04-JAN-2007 13:04	1.000	tls	2	8081
1400		sv17a003.d	1000.00 ml	04-JAN-2007 13:25	1.000	tls	3	aro1260
444612		sv17a004.d	30.00 g	04-JAN-2007 14:31	1.000	tls	4	all
444610		sv17a005.d	30.00 ml	04-JAN-2007 14:52	1.000	tls	5	8081
444611		sv17a006.d	30.00 g	04-JAN-2007 15:13	1.000	tls	6	8081
444613		sv17a007.d	30.00 g	04-JAN-2007 15:34	1.000	tls	7	ar1260s
lcsd		sv17a008.d	30.00 g	04-JAN-2007 15:55	1.000	tls	8	ar1260s
1400		sv17a009.d	1000.00 ml	04-JAN-2007 16:16	1.000	tls	9	8081
1400		sv17a010.d	1000.00 ml	04-JAN-2007 16:37	1.000	tls	10	8081
1400		sv17a011.d	1000.00 ml	04-JAN-2007 16:58	1.000	tls	11	aro1260
1400		sv17a012.d	1000.00 ml	04-JAN-2007 17:19	1.000	tls	12	aro1260
20612072803		sv17a013.d	30.10 g	04-JAN-2007 17:40	1.000	tls	13	all
20612072806		sv17a015.d	30.40 g	04-JAN-2007 18:22	1.000	tls	15	all
20612072807		sv17a017.d	30.00 g	04-JAN-2007 19:04	1.000	tls	17	all
20612072808		sv17a019.d	30.30 g	04-JAN-2007 19:46	1.000	tls	19	all
20612072813		sv17a021.d	30.10 g	04-JAN-2007 20:28	1.000	tls	21	all
20612072814		sv17a023.d	30.10 g	04-JAN-2007 21:11	1.000	tls	23	all
20612072815		sv17a025.d	30.30 g	04-JAN-2007 21:53	1.000	tls	25	all
20612072816		sv17a027.d	30.00 g	04-JAN-2007 22:35	1.000	tls	27	all
20612072820		sv17a029.d	30.10 g	04-JAN-2007 23:17	1.000	tls	29	all
1400		sv17a033.d	1000.00 ml	05-JAN-2007 00:41	1.000	tls	33	8081
1400		sv17a034.d	1000.00 ml	05-JAN-2007 01:03	1.000	tls	34	8081
1400		sv17a035.d	1000.00 ml	05-JAN-2007 01:23	1.000	tls	35	aro1260
1400		sv17a036.d	1000.00 ml	05-JAN-2007 01:44	1.000	tls	36	aro1260
deg		sv17a037.d	1000.00 ml	05-JAN-2007 09:08	1.000	tls	37	deg
1400		sv17a038.d	1000.00 ml	05-JAN-2007 09:29	1.000	tls	38	8081
1400		sv17a039.d	1000.00 ml	05-JAN-2007 09:50	1.000	tls	39	aro1260
444614		sv17a040.d	30.00 g	05-JAN-2007 10:39	1.000	tls	40	ar1260s
20612072803		sv17a041.d	30.10 g	05-JAN-2007 11:00	1.000	tls	41	all
20612072806		sv17a042.d	30.40 g	05-JAN-2007 11:21	1.000	tls	42	all
20612072807		sv17a043.d	30.00 g	05-JAN-2007 11:42	1.000	tls	43	all
20612072808		sv17a044.d	30.30 g	05-JAN-2007 12:03	1.000	tls	44	all
20612072813		sv17a045.d	30.10 g	05-JAN-2007 12:24	1.000	tls	45	all
20612072814		sv17a046.d	30.10 g	05-JAN-2007 12:45	1.000	tls	46	all
20612072815		sv17a047.d	30.30 g	05-JAN-2007 13:06	1.000	tls	47	all

035439

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/12/2007
Instrument: gcsv17a.i
Method File: /var/chem/gcsv17a.i/2070104b.b/pest35MS.m
Batch: /var/chem/gcsv17a.i/2070104b.b
Column-Detector: RTX-35MS-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
20612072816		sv17a048.d	30.00 g	05-JAN-2007 13:27	1.000	tls	48	all
20612072820		sv17a049.d	30.10 g	05-JAN-2007 13:48	1.000	tls	49	all
1400		sv17a050.d	1000.00 ml	05-JAN-2007 14:09	1.000	tls	50	8081
1400		sv17a051.d	1000.00 ml	05-JAN-2007 16:04	1.000	tls	51	8081
1400		sv17a052.d	1000.00 ml	05-JAN-2007 16:26	1.000	tls	52	aro1260
1400		sv17a053.d	1000.00 ml	05-JAN-2007 16:47	1.000	tls	53	aro1260

035440

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 12/02/2006
Instrument: gcsv17b.i
Method File: /var/chem/gcsv17b.i/2061124.b/pestXLB.m
Batch: /var/chem/gcsv17b.i/2061124.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Injection Time	DilFactor	Anal	Comments
deg		sv17b001.d	24-NOV-2006 17:04	1.000	tls	deg
1206		sv17b002.d	24-NOV-2006 17:25	1.000	tls	8081
1201		sv17b003.d	24-NOV-2006 17:46	1.000	tls	8081
1202		sv17b004.d	24-NOV-2006 18:07	1.000	tls	8081
1203		sv17b005.d	24-NOV-2006 18:28	1.000	tls	8081
1204		sv17b006.d	24-NOV-2006 18:49	1.000	tls	8081
1205		sv17b007.d	24-NOV-2006 19:10	1.000	tls	8081
1600		sv17b008.d	24-NOV-2006 19:31	1.000	tls	8081
1205		sv17b009.d	24-NOV-2006 19:52	1.000	tls	chlor
1201		sv17b010.d	24-NOV-2006 20:13	1.000	tls	tox
1205		sv17b011.d	24-NOV-2006 20:34	1.000	tls	tox
1203		sv17b012.d	24-NOV-2006 20:55	1.000	tls	aro1221
1203		sv17b013.d	24-NOV-2006 21:17	1.000	tls	aro1232
1203		sv17b014.d	24-NOV-2006 21:38	1.000	tls	aro1242
1203		sv17b015.d	24-NOV-2006 21:59	1.000	tls	aro1248
1203		sv17b016.d	24-NOV-2006 22:20	1.000	tls	aro1254
1203		sv17b017.d	24-NOV-2006 22:41	1.000	tls	ar1262
1203		sv17b018.d	24-NOV-2006 23:02	1.000	tls	ar1268
1206		sv17b019.d	24-NOV-2006 23:23	1.000	tls	aro1260
1201		sv17b020.d	24-NOV-2006 23:44	1.000	tls	aro1260
1202		sv17b021.d	25-NOV-2006 00:05	1.000	tls	aro1260
1203		sv17b022.d	25-NOV-2006 00:26	1.000	tls	aro1260
1204		sv17b023.d	25-NOV-2006 00:47	1.000	tls	aro1260
1206		sv17b024.d	25-NOV-2006 01:08	1.000	tls	aro1260
1600		sv17b025.d	25-NOV-2006 01:29	1.000	tls	aro1260
deg		sv17b026.d	25-NOV-2006 01:50	1.000	tls	deg
20611170223		sv17b032.d	25-NOV-2006 03:55	1.000	tls	8081
20611170301		sv17b033.d	25-NOV-2006 04:17	1.000	tls	8081
20611170302		sv17b036.d	25-NOV-2006 05:19	1.000	tls	8081
1400		sv17b037.d	25-NOV-2006 11:48	1.000	tls	8081
1400		sv17b038.d	25-NOV-2006 12:38	1.000	tls	8081
1400		sv17b039.d	25-NOV-2006 12:59	1.000	tls	aro1260
1400		sv17b040.d	25-NOV-2006 13:39	1.000	tls	aro1260
deg		sv17b041.d	25-NOV-2006 14:07	1.000	tls	deg
20611170303		sv17b044.d	25-NOV-2006 15:10	1.000	tls	8081
20611170304		sv17b045.d	25-NOV-2006 15:31	1.000	tls	8081

REVISED 6-1-95 Supervisor Review: QA Review:

001353

035441

LABORATORY CHRONICLE: GCSV DEPARTMENT

Date: 01/10/2007
Instrument: gcsv17b.i
Method File: /var/chem/gcsv17b.i/2070104b.b/pestXLB.m
Batch: /var/chem/gcsv17b.i/2070104b.b
Column-Detector: RTX-XLB-30M

Sample ID	Standard ID	DataFile	Wgt/Vol	Injection Time	Dil	Anal	ALS	Comments
deg		sv17b001.d	1000.00 ml	04-JAN-2007 13:04	1.000	tls	1	deg
1400		sv17b002.d	1000.00 ml	04-JAN-2007 13:25	1.000	tls	2	8081
1400		sv17b003.d	1000.00 ml	04-JAN-2007 13:46	1.000	tls	3	aro1260
lcsd		sv17b008.d	30.00 g	04-JAN-2007 16:16	1.000	tls	8	ar1260s
deg		sv17b037.d	1000.00 ml	05-JAN-2007 09:29	1.000	tls	37	deg
1400		sv17b038.d	1000.00 ml	05-JAN-2007 09:50	1.000	tls	38	8081
1400		sv17b039.d	1000.00 ml	05-JAN-2007 10:11	1.000	tls	39	aro1260
lcsd		sv17b040.d	30.00 g	05-JAN-2007 11:00	1.000	tls	40	aro1260
20612072803		sv17b041.d	30.10 g	05-JAN-2007 11:21	1.000	tls	41	8081
20612072806		sv17b042.d	30.40 g	05-JAN-2007 11:42	1.000	tls	42	8081
20612072807		sv17b043.d	30.00 g	05-JAN-2007 12:03	1.000	tls	43	8081
20612072808		sv17b044.d	30.30 g	05-JAN-2007 12:24	1.000	tls	44	8081
20612072813		sv17b045.d	30.10 g	05-JAN-2007 12:45	1.000	tls	45	8081
20612072814		sv17b046.d	30.10 g	05-JAN-2007 13:06	1.000	tls	46	8081
20612072815		sv17b047.d	30.30 g	05-JAN-2007 13:27	1.000	tls	47	8081
20612072816		sv17b048.d	30.00 g	05-JAN-2007 13:48	1.000	tls	48	8081
20612072820		sv17b049.d	30.10 g	05-JAN-2007 14:09	1.000	tls	49	all
1400		sv17b050.d	1000.00 ml	05-JAN-2007 16:04	1.000	tls	50	8081
1400		sv17b051.d	1000.00 ml	05-JAN-2007 16:26	1.000	tls	51	8081
1400		sv17b052.d	1000.00 ml	05-JAN-2007 16:47	1.000	tls	52	aro1260
1400		sv17b053.d	1000.00 ml	05-JAN-2007 17:08	1.000	tls	53	aro1260

035442

U.S. EPA - CLP
COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

SOW No.:

EPA Sample No.	*Lab Sample ID.*
2WSED1-001 (0-0.5)	20612072801
2WSED8-008 (0-0.5)	20612072802
2WSED16-016 (0-0.5)	20612072803
2WSED1-001 (0-0.5) MS	20612072804
2WSED1-001 (0-0.5) MSD	20612072805
2WSED2-002 (0-0.5)	20612072806
2WSED5-005 (0-0.5)	20612072807
2WSED6-006 (0-0.5)	20612072808
2WSED9-009 (0-0.5)	20612072809
2WSED10-010 (0-0.5)	20612072810
2WSED11-011 (0-0.5)	20612072811
2WSED12-012 (0-0.5)	20612072812
2WSED3-003 (0-0.5)	20612072813
2WSED3-003 (0-0.5)D	20612072814
2WSED4-004 (0-0.5)	20612072815
2WSED15-015 (0-0.5)	20612072816
2WSED7-007 (0-0.5)	20612072817
2WSED13-013 (0-0.5)	20612072818
2WSED14-014 (0-0.5)	20612072819
2WSED17-017 (0-0.5)	20612072820

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: 2WSED1-001 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 77.45 | Lab Sample ID: 20612072801

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1115

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	9380	mg/kg		1.37	10.3	SW-846 6010B	P
Antimony	1.05	mg/kg	B	0.25	3.10	SW-846 6010B	P
Arsenic	1.01	mg/kg	B	0.21	2.07	SW-846 6010B	P
Barium	71.8	mg/kg		0.019	0.52	SW-846 6010B	P
Beryllium	0.65	mg/kg		0.0077	0.26	SW-846 6010B	P
Boron	17.5	mg/kg		1.21	5.16	SW-846 6010B	P
Cadmium	0.26	mg/kg	U	0.016	0.26	SW-846 6010B	P
Chromium	9.12	mg/kg		0.064	0.52	SW-846 6010B	P
Cobalt	5.48	mg/kg		0.028	0.52	SW-846 6010B	P
Copper	5.58	mg/kg		0.081	0.52	SW-846 6010B	P
Iron	11900	mg/kg		1.76	5.16	SW-846 6010B	P
Lead	11.0	mg/kg		0.13	0.77	SW-846 6010B	P
Lithium	14.1	mg/kg		0.31	2.58	SW-846 6010B	P
Manganese	274	mg/kg		0.14	0.77	SW-846 6010B	P
Mercury	0.0086	mg/kg	B	0.0046	0.013	SW-846 7471A	AV
Molybdenum	0.37	mg/kg	B	0.097	1.55	SW-846 6010B	P
Nickel	12.5	mg/kg		0.045	2.07	SW-846 6010B	P
Selenium	2.07	mg/kg	U	0.54	2.07	SW-846 6010B	P
Silver	0.52	mg/kg	U	0.061	0.52	SW-846 6010B	P
Strontium	26.9	mg/kg		0.028	0.52	SW-846 6010B	P
Thallium	1.03	mg/kg	U	0.22	1.03	SW-846 6010B	P
Tin	5.16	mg/kg	U	0.58	5.16	SW-846 6010B	P
Titanium	16.7	mg/kg		0.058	5.16	SW-846 6010B	P
Vanadium	15.8	mg/kg		0.065	1.03	SW-846 6010B	P
Zinc	41.4	mg/kg		0.066	1.03	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED8-008 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 68.02 | Lab Sample ID: 20612072802

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1015

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	14100	mg/kg		1.55	11.7	SW-846 6010B	P
Antimony	1.33	mg/kg	B	0.28	3.50	SW-846 6010B	P
Arsenic	1.40	mg/kg	B	0.24	2.33	SW-846 6010B	P
Barium	97.7	mg/kg		0.022	0.58	SW-846 6010B	P
Beryllium	0.97	mg/kg		0.0088	0.29	SW-846 6010B	P
Boron	25.5	mg/kg		1.37	5.83	SW-846 6010B	P
Cadmium	0.23	mg/kg	B	0.018	0.29	SW-846 6010B	P
Chromium	14.0	mg/kg		0.072	0.58	SW-846 6010B	P
Cobalt	6.23	mg/kg		0.032	0.58	SW-846 6010B	P
Copper	10.4	mg/kg		0.092	0.58	SW-846 6010B	P
Iron	17200	mg/kg		1.99	5.83	SW-846 6010B	P
Lead	20.8	mg/kg		0.14	0.88	SW-846 6010B	P
Lithium	18.6	mg/kg		0.35	2.92	SW-846 6010B	P
Manganese	244	mg/kg		0.16	0.88	SW-846 6010B	P
Mercury	0.025	mg/kg		0.0052	0.014	SW-846 7471A	AV
Molybdenum	0.42	mg/kg	B	0.11	1.75	SW-846 6010B	P
Nickel	17.3	mg/kg		0.051	2.33	SW-846 6010B	P
Selenium	2.33	mg/kg	U	0.62	2.33	SW-846 6010B	P
Silver	0.58	mg/kg	U	0.069	0.58	SW-846 6010B	P
Strontium	126	mg/kg		0.032	0.58	SW-846 6010B	P
Thallium	1.17	mg/kg	U	0.25	1.17	SW-846 6010B	P
Tin	5.83	mg/kg	U	0.65	5.83	SW-846 6010B	P
Titanium	19.8	mg/kg		0.066	5.83	SW-846 6010B	P
Vanadium	25.8	mg/kg		0.073	1.17	SW-846 6010B	P
Zinc	110	mg/kg		0.074	1.17	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED16-016 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 54.46 | Lab Sample ID: 20612072803

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1030

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	9410	mg/kg		1.93	14.6	SW-846 6010B	P
Antimony	1.25	mg/kg	B	0.35	4.37	SW-846 6010B	P
Arsenic	0.71	mg/kg	B	0.30	2.91	SW-846 6010B	P
Barium	186	mg/kg		0.027	0.73	SW-846 6010B	P
Beryllium	0.69	mg/kg		0.011	0.36	SW-846 6010B	P
Boron	15.7	mg/kg		1.71	7.29	SW-846 6010B	P
Cadmium	0.36	mg/kg	U	0.023	0.36	SW-846 6010B	P
Chromium	11.8	mg/kg		0.090	0.73	SW-846 6010B	P
Cobalt	5.91	mg/kg		0.040	0.73	SW-846 6010B	P
Copper	11.8	mg/kg		0.11	0.73	SW-846 6010B	P
Iron	13200	mg/kg		2.48	7.29	SW-846 6010B	P
Lead	20.7	mg/kg		0.18	1.09	SW-846 6010B	P
Lithium	15.4	mg/kg		0.44	3.64	SW-846 6010B	P
Manganese	232	mg/kg		0.20	1.09	SW-846 6010B	P
Mercury	0.0095	mg/kg	B	0.0065	0.018	SW-846 7471A	AV
Molybdenum	0.73	mg/kg	B	0.14	2.19	SW-846 6010B	P
Nickel	14.5	mg/kg		0.064	2.91	SW-846 6010B	P
Selenium	2.91	mg/kg	U	0.77	2.91	SW-846 6010B	P
Silver	0.73	mg/kg	U	0.086	0.73	SW-846 6010B	P
Strontium	62.7	mg/kg		0.040	0.73	SW-846 6010B	P
Thallium	1.46	mg/kg	U	0.31	1.46	SW-846 6010B	P
Tin	7.29	mg/kg	U	0.82	7.29	SW-846 6010B	P
Titanium	25.3	mg/kg		0.082	7.29	SW-846 6010B	P
Vanadium	19.9	mg/kg		0.091	1.46	SW-846 6010B	P
Zinc	143	mg/kg		0.093	1.46	SW-846 6010B	P

001358

035446

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED1-001 (0-0.5) MS

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 54.46 | Lab Sample ID: 20612072804

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1115

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	15000	mg/kg		1.95	14.7	SW-846 6010B	P
Antimony	19.1	mg/kg		0.35	4.41	SW-846 6010B	P
Arsenic	35.9	mg/kg		0.30	2.94	SW-846 6010B	P
Barium	109	mg/kg		0.027	0.73	SW-846 6010B	P
Beryllium	36.2	mg/kg		0.011	0.37	SW-846 6010B	P
Boron	148	mg/kg		1.72	7.34	SW-846 6010B	P
Cadmium	34.4	mg/kg		0.023	0.37	SW-846 6010B	P
Chromium	48.4	mg/kg		0.091	0.73	SW-846 6010B	P
Cobalt	41.3	mg/kg		0.040	0.73	SW-846 6010B	P
Copper	47.1	mg/kg		0.12	0.73	SW-846 6010B	P
Iron	16800	mg/kg		2.50	7.34	SW-846 6010B	P
Lead	51.0	mg/kg		0.18	1.10	SW-846 6010B	P
Lithium	58.4	mg/kg		0.44	3.67	SW-846 6010B	P
Manganese	339	mg/kg		0.20	1.10	SW-846 6010B	P
Mercury	0.45	mg/kg		0.0066	0.018	SW-846 7471A	AV
Molybdenum	30.0	mg/kg		0.14	2.20	SW-846 6010B	P
Nickel	50.8	mg/kg		0.064	2.94	SW-846 6010B	P
Selenium	33.8	mg/kg		0.77	2.94	SW-846 6010B	P
Silver	36.8	mg/kg		0.086	0.73	SW-846 6010B	P
Strontium	74.3	mg/kg		0.040	0.73	SW-846 6010B	P
Thallium	34.7	mg/kg		0.31	1.47	SW-846 6010B	P
Tin	38.2	mg/kg		0.82	7.34	SW-846 6010B	P
Titanium	27.1	mg/kg		0.083	7.34	SW-846 6010B	P
Vanadium	54.1	mg/kg		0.092	1.47	SW-846 6010B	P
Zinc	101	mg/kg		0.094	1.47	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED1-001 (0-0.5) MSD

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 54.46 | Lab Sample ID: 20612072805

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1115

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	14000	mg/kg		1.95	14.7	SW-846 6010B	P
Antimony	19.0	mg/kg		0.35	4.41	SW-846 6010B	P
Arsenic	35.7	mg/kg		0.30	2.94	SW-846 6010B	P
Barium	117	mg/kg		0.027	0.73	SW-846 6010B	P
Beryllium	36.3	mg/kg		0.011	0.37	SW-846 6010B	P
Boron	157	mg/kg		1.72	7.34	SW-846 6010B	P
Cadmium	34.7	mg/kg		0.023	0.37	SW-846 6010B	P
Chromium	48.3	mg/kg		0.091	0.73	SW-846 6010B	P
Cobalt	41.9	mg/kg		0.040	0.73	SW-846 6010B	P
Copper	44.1	mg/kg		0.12	0.73	SW-846 6010B	P
Iron	15700	mg/kg		2.50	7.34	SW-846 6010B	P
Lead	49.2	mg/kg		0.18	1.10	SW-846 6010B	P
Lithium	57.2	mg/kg		0.44	3.67	SW-846 6010B	P
Manganese	319	mg/kg		0.20	1.10	SW-846 6010B	P
Mercury	0.50	mg/kg		0.0066	0.018	SW-846 7471A	AV
Molybdenum	30.7	mg/kg		0.14	2.20	SW-846 6010B	P
Nickel	50.7	mg/kg		0.064	2.94	SW-846 6010B	P
Selenium	35.0	mg/kg		0.77	2.94	SW-846 6010B	P
Silver	37.1	mg/kg		0.086	0.73	SW-846 6010B	P
Strontium	71.2	mg/kg		0.040	0.73	SW-846 6010B	P
Thallium	35.2	mg/kg		0.31	1.47	SW-846 6010B	P
Tin	38.5	mg/kg		0.82	7.34	SW-846 6010B	P
Titanium	28.0	mg/kg		0.083	7.34	SW-846 6010B	P
Vanadium	52.0	mg/kg		0.092	1.47	SW-846 6010B	P
Zinc	87.5	mg/kg		0.094	1.47	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED2-002 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 41.19 | Lab Sample ID: 20612072806

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0825

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	12500	mg/kg		2.55	19.3	SW-846 6010B	P
Antimony	1.71	mg/kg	B	0.46	5.78	SW-846 6010B	P
Arsenic	3.85	mg/kg	U	0.39	3.85	SW-846 6010B	P
Barium	92.6	mg/kg		0.036	0.96	SW-846 6010B	P
Beryllium	0.90	mg/kg		0.014	0.48	SW-846 6010B	P
Boron	45.3	mg/kg		2.26	9.63	SW-846 6010B	P
Cadmium	0.48	mg/kg	U	0.030	0.48	SW-846 6010B	P
Chromium	12.2	mg/kg		0.12	0.96	SW-846 6010B	P
Cobalt	7.97	mg/kg		0.053	0.96	SW-846 6010B	P
Copper	13.9	mg/kg		0.15	0.96	SW-846 6010B	P
Iron	18000	mg/kg		3.28	9.63	SW-846 6010B	P
Lead	16.6	mg/kg		0.23	1.44	SW-846 6010B	P
Lithium	17.9	mg/kg		0.58	4.82	SW-846 6010B	P
Manganese	186	mg/kg		0.26	1.44	SW-846 6010B	P
Mercury	0.044	mg/kg		0.0087	0.024	SW-846 7471A	AV
Molybdenum	3.24	mg/kg		0.18	2.89	SW-846 6010B	P
Nickel	19.4	mg/kg		0.084	3.85	SW-846 6010B	P
Selenium	3.85	mg/kg	U	1.02	3.85	SW-846 6010B	P
Silver	0.96	mg/kg	U	0.11	0.96	SW-846 6010B	P
Strontium	114	mg/kg		0.053	0.96	SW-846 6010B	P
Thallium	1.93	mg/kg	U	0.41	1.93	SW-846 6010B	P
Tin	9.63	mg/kg	U	1.08	9.63	SW-846 6010B	P
Titanium	29.2	mg/kg		0.11	9.63	SW-846 6010B	P
Vanadium	25.1	mg/kg		0.12	1.93	SW-846 6010B	P
Zinc	126	mg/kg		0.12	1.93	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED5-005 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 59.67 | Lab Sample ID: 20612072807

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0820

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	13600	mg/kg		1.76	13.3	SW-846 6010B	P
Antimony	1.49	mg/kg	B	0.32	3.99	SW-846 6010B	P
Arsenic	0.57	mg/kg	B	0.27	2.66	SW-846 6010B	P
Barium	84.5	mg/kg		0.025	0.66	SW-846 6010B	P
Beryllium	1.01	mg/kg		0.010	0.33	SW-846 6010B	P
Boron	23.3	mg/kg		1.56	6.65	SW-846 6010B	P
Cadmium	0.16	mg/kg	B	0.021	0.33	SW-846 6010B	P
Chromium	13.1	mg/kg		0.082	0.66	SW-846 6010B	P
Cobalt	7.61	mg/kg		0.037	0.66	SW-846 6010B	P
Copper	13.7	mg/kg		0.10	0.66	SW-846 6010B	P
Iron	16500	mg/kg		2.26	6.65	SW-846 6010B	P
Lead	16.2	mg/kg		0.16	1.0	SW-846 6010B	P
Lithium	19.4	mg/kg		0.40	3.32	SW-846 6010B	P
Manganese	218	mg/kg		0.18	1.0	SW-846 6010B	P
Mercury	0.024	mg/kg		0.0059	0.016	SW-846 7471A	AV
Molybdenum	0.81	mg/kg	B	0.12	1.99	SW-846 6010B	P
Nickel	20.1	mg/kg		0.058	2.66	SW-846 6010B	P
Selenium	2.66	mg/kg	U	0.70	2.66	SW-846 6010B	P
Silver	0.66	mg/kg	U	0.078	0.66	SW-846 6010B	P
Strontium	131	mg/kg		0.036	0.66	SW-846 6010B	P
Thallium	1.33	mg/kg	U	0.28	1.33	SW-846 6010B	P
Tin	6.65	mg/kg	U	0.74	6.65	SW-846 6010B	P
Titanium	19.5	mg/kg		0.075	6.65	SW-846 6010B	P
Vanadium	23.8	mg/kg		0.083	1.33	SW-846 6010B	P
Zinc	86.4	mg/kg		0.085	1.33	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED6-006 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 63.80 | Lab Sample ID: 20612072808

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0825

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	17600	mg/kg		1.66	12.5	SW-846 6010B	P
Antimony	1.96	mg/kg	B	0.30	3.76	SW-846 6010B	P
Arsenic	1.53	mg/kg	B	0.26	2.51	SW-846 6010B	P
Barium	105	mg/kg		0.023	0.63	SW-846 6010B	P
Beryllium	1.02	mg/kg		0.0094	0.31	SW-846 6010B	P
Boron	30.5	mg/kg		1.47	6.27	SW-846 6010B	P
Cadmium	0.18	mg/kg	B	0.020	0.31	SW-846 6010B	P
Chromium	15.0	mg/kg		0.077	0.63	SW-846 6010B	P
Cobalt	7.52	mg/kg		0.034	0.63	SW-846 6010B	P
Copper	11.4	mg/kg		0.099	0.63	SW-846 6010B	P
Iron	18900	mg/kg		2.13	6.27	SW-846 6010B	P
Lead	17.7	mg/kg		0.15	0.94	SW-846 6010B	P
Lithium	22.0	mg/kg		0.38	3.13	SW-846 6010B	P
Manganese	284	mg/kg		0.17	0.94	SW-846 6010B	P
Mercury	0.039	mg/kg		0.0056	0.015	SW-846 7471A	AV
Molybdenum	0.82	mg/kg	B	0.12	1.88	SW-846 6010B	P
Nickel	19.2	mg/kg		0.055	2.51	SW-846 6010B	P
Selenium	2.51	mg/kg	U	0.66	2.51	SW-846 6010B	P
Silver	0.63	mg/kg	U	0.074	0.63	SW-846 6010B	P
Strontium	330	mg/kg		0.034	0.63	SW-846 6010B	P
Thallium	1.25	mg/kg	U	0.27	1.25	SW-846 6010B	P
Tin	6.27	mg/kg	U	0.70	6.27	SW-846 6010B	P
Titanium	31.0	mg/kg		0.071	6.27	SW-846 6010B	P
Vanadium	32.0	mg/kg		0.079	1.25	SW-846 6010B	P
Zinc	101	mg/kg		0.080	1.25	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED9-009 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 82.45 | Lab Sample ID: 20612072809

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1020

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	11800	mg/kg		1.29	9.70	SW-846 6010B	P
Antimony	1.25	mg/kg	B	0.23	2.91	SW-846 6010B	P
Arsenic	1.86	mg/kg	B	0.20	1.94	SW-846 6010B	P
Barium	91.2	mg/kg		0.018	0.49	SW-846 6010B	P
Beryllium	0.77	mg/kg		0.0073	0.24	SW-846 6010B	P
Boron	19.3	mg/kg		1.14	4.85	SW-846 6010B	P
Cadmium	0.091	mg/kg	B	0.015	0.24	SW-846 6010B	P
Chromium	11.6	mg/kg		0.060	0.49	SW-846 6010B	P
Cobalt	6.07	mg/kg		0.027	0.49	SW-846 6010B	P
Copper	7.60	mg/kg		0.077	0.49	SW-846 6010B	P
Iron	14700	mg/kg		1.65	4.85	SW-846 6010B	P
Lead	15.6	mg/kg		0.12	0.73	SW-846 6010B	P
Lithium	17.6	mg/kg		0.29	2.43	SW-846 6010B	P
Manganese	309	mg/kg		0.13	0.73	SW-846 6010B	P
Mercury	0.014	mg/kg		0.0044	0.012	SW-846 7471A	AV
Molybdenum	0.30	mg/kg	B	0.091	1.46	SW-846 6010B	P
Nickel	14.7	mg/kg		0.042	1.94	SW-846 6010B	P
Selenium	1.94	mg/kg	U	0.51	1.94	SW-846 6010B	P
Silver	0.49	mg/kg	U	0.057	0.49	SW-846 6010B	P
Strontium	53.9	mg/kg		0.027	0.49	SW-846 6010B	P
Thallium	0.97	mg/kg	U	0.21	0.97	SW-846 6010B	P
Tin	4.85	mg/kg	U	0.54	4.85	SW-846 6010B	P
Titanium	16.8	mg/kg		0.055	4.85	SW-846 6010B	P
Vanadium	18.7	mg/kg		0.061	0.97	SW-846 6010B	P
Zinc	56.1	mg/kg		0.062	0.97	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED10-010 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 73.19 | Lab Sample ID: 20612072810

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0930

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	12900	mg/kg		1.44	10.8	SW-846 6010B	P
Antimony	1.43	mg/kg	B	0.26	3.25	SW-846 6010B	P
Arsenic	2.39	mg/kg		0.22	2.17	SW-846 6010B	P
Barium	95.8	mg/kg		0.020	0.54	SW-846 6010B	P
Beryllium	0.85	mg/kg		0.0081	0.27	SW-846 6010B	P
Boron	17.8	mg/kg		1.27	5.42	SW-846 6010B	P
Cadmium	0.091	mg/kg	B	0.017	0.27	SW-846 6010B	P
Chromium	12.4	mg/kg		0.067	0.54	SW-846 6010B	P
Cobalt	7.56	mg/kg		0.030	0.54	SW-846 6010B	P
Copper	6.58	mg/kg		0.086	0.54	SW-846 6010B	P
Iron	16600	mg/kg		1.85	5.42	SW-846 6010B	P
Lead	16.8	mg/kg		0.13	0.81	SW-846 6010B	P
Lithium	18.0	mg/kg		0.33	2.71	SW-846 6010B	P
Manganese	385	mg/kg		0.15	0.81	SW-846 6010B	P
Mercury	0.011	mg/kg	B	0.0049	0.014	SW-846 7471A	AV
Molybdenum	0.30	mg/kg	B	0.10	1.63	SW-846 6010B	P
Nickel	16.5	mg/kg		0.047	2.17	SW-846 6010B	P
Selenium	2.17	mg/kg	U	0.57	2.17	SW-846 6010B	P
Silver	0.54	mg/kg	U	0.064	0.54	SW-846 6010B	P
Strontium	43.7	mg/kg		0.030	0.54	SW-846 6010B	P
Thallium	1.08	mg/kg	U	0.23	1.08	SW-846 6010B	P
Tin	5.42	mg/kg	U	0.61	5.42	SW-846 6010B	P
Titanium	17.2	mg/kg		0.061	5.42	SW-846 6010B	P
Vanadium	21.4	mg/kg		0.068	1.08	SW-846 6010B	P
Zinc	82.8	mg/kg		0.069	1.08	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED11-011 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 73.76 | Lab Sample ID: 20612072811

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0935

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	13600	mg/kg		1.43	10.8	SW-846 6010B	P
Antimony	1.49	mg/kg	B	0.26	3.23	SW-846 6010B	P
Arsenic	1.74	mg/kg	B	0.22	2.15	SW-846 6010B	P
Barium	99.9	mg/kg		0.020	0.54	SW-846 6010B	P
Beryllium	0.93	mg/kg		0.0081	0.27	SW-846 6010B	P
Boron	16.4	mg/kg		1.26	5.38	SW-846 6010B	P
Cadmium	0.11	mg/kg	B	0.017	0.27	SW-846 6010B	P
Chromium	12.6	mg/kg		0.066	0.54	SW-846 6010B	P
Cobalt	7.91	mg/kg		0.030	0.54	SW-846 6010B	P
Copper	8.87	mg/kg		0.085	0.54	SW-846 6010B	P
Iron	16900	mg/kg		1.83	5.38	SW-846 6010B	P
Lead	18.5	mg/kg		0.13	0.81	SW-846 6010B	P
Lithium	20.0	mg/kg		0.32	2.69	SW-846 6010B	P
Manganese	458	mg/kg		0.14	0.81	SW-846 6010B	P
Mercury	0.012	mg/kg	B	0.0048	0.013	SW-846 7471A	AV
Molybdenum	0.38	mg/kg	B	0.10	1.61	SW-846 6010B	P
Nickel	18.5	mg/kg		0.047	2.15	SW-846 6010B	P
Selenium	2.15	mg/kg	U	0.57	2.15	SW-846 6010B	P
Silver	0.54	mg/kg	U	0.063	0.54	SW-846 6010B	P
Strontium	46.1	mg/kg		0.029	0.54	SW-846 6010B	P
Thallium	1.08	mg/kg	U	0.23	1.08	SW-846 6010B	P
Tin	5.38	mg/kg	U	0.60	5.38	SW-846 6010B	P
Titanium	18.0	mg/kg		0.061	5.38	SW-846 6010B	P
Vanadium	20.7	mg/kg		0.068	1.08	SW-846 6010B	P
Zinc	62.0	mg/kg		0.069	1.08	SW-846 6010B	P

091366

035454

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED12-012 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 83.08 | Lab Sample ID: 20612072812

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0940

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	11200	mg/kg		1.28	9.63	SW-846 6010B	P
Antimony	1.21	mg/kg	B	0.23	2.89	SW-846 6010B	P
Arsenic	2.82	mg/kg		0.20	1.93	SW-846 6010B	P
Barium	51.3	mg/kg		0.018	0.48	SW-846 6010B	P
Beryllium	0.70	mg/kg		0.0072	0.24	SW-846 6010B	P
Boron	18.4	mg/kg		1.13	4.81	SW-846 6010B	P
Cadmium	0.033	mg/kg	B	0.015	0.24	SW-846 6010B	P
Chromium	10.8	mg/kg		0.059	0.48	SW-846 6010B	P
Cobalt	5.97	mg/kg		0.026	0.48	SW-846 6010B	P
Copper	6.76	mg/kg		0.076	0.48	SW-846 6010B	P
Iron	14200	mg/kg		1.64	4.81	SW-846 6010B	P
Lead	12.9	mg/kg		0.12	0.72	SW-846 6010B	P
Lithium	16.0	mg/kg		0.29	2.41	SW-846 6010B	P
Manganese	397	mg/kg		0.13	0.72	SW-846 6010B	P
Mercury	0.012	mg/kg	U	0.0043	0.012	SW-846 7471A	AV
Molybdenum	0.41	mg/kg	B	0.090	1.44	SW-846 6010B	P
Nickel	14.7	mg/kg		0.042	1.93	SW-846 6010B	P
Selenium	1.93	mg/kg	U	0.51	1.93	SW-846 6010B	P
Silver	0.48	mg/kg	U	0.057	0.48	SW-846 6010B	P
Strontium	18.8	mg/kg		0.026	0.48	SW-846 6010B	P
Thallium	0.96	mg/kg	U	0.20	0.96	SW-846 6010B	P
Tin	4.81	mg/kg	U	0.54	4.81	SW-846 6010B	P
Titanium	14.0	mg/kg		0.054	4.81	SW-846 6010B	P
Vanadium	19.4	mg/kg		0.060	0.96	SW-846 6010B	P
Zinc	46.6	mg/kg		0.061	0.96	SW-846 6010B	P

001367

035455

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED3-003 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 41.02 | Lab Sample ID: 20612072813

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1100

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	15500	mg/kg		2.58	19.5	SW-846 6010B	P
Antimony	1.35	mg/kg	B	0.47	5.85	SW-846 6010B	P
Arsenic	3.90	mg/kg	U	0.40	3.90	SW-846 6010B	P
Barium	86.6	mg/kg		0.036	0.97	SW-846 6010B	P
Beryllium	1.03	mg/kg		0.015	0.49	SW-846 6010B	P
Boron	46.2	mg/kg		2.29	9.75	SW-846 6010B	P
Cadmium	0.49	mg/kg	U	0.030	0.49	SW-846 6010B	P
Chromium	14.2	mg/kg		0.12	0.97	SW-846 6010B	P
Cobalt	7.96	mg/kg		0.054	0.97	SW-846 6010B	P
Copper	12.6	mg/kg		0.15	0.97	SW-846 6010B	P
Iron	18000	mg/kg		3.32	9.75	SW-846 6010B	P
Lead	17.2	mg/kg		0.24	1.46	SW-846 6010B	P
Lithium	20.5	mg/kg		0.59	4.87	SW-846 6010B	P
Manganese	242	mg/kg		0.26	1.46	SW-846 6010B	P
Mercury	0.056	mg/kg		0.0088	0.024	SW-846 7471A	AV
Molybdenum	2.71	mg/kg	B	0.18	2.92	SW-846 6010B	P
Nickel	20.9	mg/kg		0.085	3.90	SW-846 6010B	P
Selenium	3.90	mg/kg	U	1.03	3.90	SW-846 6010B	P
Silver	0.97	mg/kg	U	0.11	0.97	SW-846 6010B	P
Strontium	171	mg/kg		0.053	0.97	SW-846 6010B	P
Thallium	1.95	mg/kg	U	0.41	1.95	SW-846 6010B	P
Tin	9.75	mg/kg	U	1.09	9.75	SW-846 6010B	P
Titanium	30.5	mg/kg		0.11	9.75	SW-846 6010B	P
Vanadium	27.1	mg/kg		0.12	1.95	SW-846 6010B	P
Zinc	115	mg/kg		0.12	1.95	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED3-003 (0-0.5)D

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 43.66 | Lab Sample ID: 20612072814

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1100

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	15300	mg/kg		2.43	18.3	SW-846 6010B	P
Antimony	1.15	mg/kg	B	0.44	5.50	SW-846 6010B	P
Arsenic	3.66	mg/kg	U	0.37	3.66	SW-846 6010B	P
Barium	92.2	mg/kg		0.034	0.92	SW-846 6010B	P
Beryllium	0.95	mg/kg		0.014	0.46	SW-846 6010B	P
Boron	43.3	mg/kg		2.15	9.16	SW-846 6010B	P
Cadmium	0.46	mg/kg	U	0.029	0.46	SW-846 6010B	P
Chromium	13.3	mg/kg		0.11	0.92	SW-846 6010B	P
Cobalt	7.74	mg/kg		0.050	0.92	SW-846 6010B	P
Copper	11.1	mg/kg		0.14	0.92	SW-846 6010B	P
Iron	17400	mg/kg		3.12	9.16	SW-846 6010B	P
Lead	17.0	mg/kg		0.22	1.37	SW-846 6010B	P
Lithium	19.4	mg/kg		0.55	4.58	SW-846 6010B	P
Manganese	285	mg/kg		0.25	1.37	SW-846 6010B	P
Mercury	0.043	mg/kg		0.0082	0.023	SW-846 7471A	AV
Molybdenum	2.30	mg/kg	B	0.17	2.75	SW-846 6010B	P
Nickel	19.9	mg/kg		0.080	3.66	SW-846 6010B	P
Selenium	3.66	mg/kg	U	0.97	3.66	SW-846 6010B	P
Silver	0.92	mg/kg	U	0.11	0.92	SW-846 6010B	P
Strontium	233	mg/kg		0.050	0.92	SW-846 6010B	P
Thallium	1.83	mg/kg	U	0.39	1.83	SW-846 6010B	P
Tin	9.16	mg/kg	U	1.03	9.16	SW-846 6010B	P
Titanium	32.6	mg/kg		0.10	9.16	SW-846 6010B	P
Vanadium	27.1	mg/kg		0.11	1.83	SW-846 6010B	P
Zinc	117	mg/kg		0.12	1.83	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED4-004 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 46.40 | Lab Sample ID: 20612072815

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1130

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	14100	mg/kg		2.29	17.2	SW-846 6010B	P
Antimony	1.44	mg/kg	B	0.41	5.17	SW-846 6010B	P
Arsenic	3.45	mg/kg	U	0.35	3.45	SW-846 6010B	P
Barium	109	mg/kg		0.032	0.86	SW-846 6010B	P
Beryllium	0.97	mg/kg		0.013	0.43	SW-846 6010B	P
Boron	35.6	mg/kg		2.02	8.62	SW-846 6010B	P
Cadmium	0.43	mg/kg	U	0.027	0.43	SW-846 6010B	P
Chromium	13.6	mg/kg		0.11	0.86	SW-846 6010B	P
Cobalt	7.45	mg/kg		0.047	0.86	SW-846 6010B	P
Copper	16.0	mg/kg		0.14	0.86	SW-846 6010B	P
Iron	16700	mg/kg		2.93	8.62	SW-846 6010B	P
Lead	18.3	mg/kg		0.21	1.29	SW-846 6010B	P
Lithium	19.1	mg/kg		0.52	4.31	SW-846 6010B	P
Manganese	253	mg/kg		0.23	1.29	SW-846 6010B	P
Mercury	0.081	mg/kg		0.0078	0.022	SW-846 7471A	AV
Molybdenum	1.61	mg/kg	B	0.16	2.59	SW-846 6010B	P
Nickel	21.3	mg/kg		0.075	3.45	SW-846 6010B	P
Selenium	3.45	mg/kg	U	0.91	3.45	SW-846 6010B	P
Silver	0.86	mg/kg	U	0.10	0.86	SW-846 6010B	P
Strontium	197	mg/kg		0.047	0.86	SW-846 6010B	P
Thallium	1.72	mg/kg	U	0.37	1.72	SW-846 6010B	P
Tin	8.62	mg/kg	U	0.97	8.62	SW-846 6010B	P
Titanium	31.4	mg/kg		0.097	8.62	SW-846 6010B	P
Vanadium	26.6	mg/kg		0.11	1.72	SW-846 6010B	P
Zinc	116	mg/kg		0.11	1.72	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED15-015 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 34.34 | Lab Sample ID: 20612072816

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1135

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	12300	mg/kg		3.06	23.1	SW-846 6010B	P
Antimony	1.80	mg/kg	B	0.55	6.93	SW-846 6010B	P
Arsenic	4.62	mg/kg	U	0.47	4.62	SW-846 6010B	P
Barium	820	mg/kg		0.043	1.16	SW-846 6010B	P
Beryllium	0.94	mg/kg		0.017	0.58	SW-846 6010B	P
Boron	40.9	mg/kg		2.71	11.6	SW-846 6010B	P
Cadmium	0.078	mg/kg	B	0.036	0.58	SW-846 6010B	P
Chromium	18.9	mg/kg		0.14	1.16	SW-846 6010B	P
Cobalt	8.69	mg/kg		0.064	1.16	SW-846 6010B	P
Copper	49.0	mg/kg		0.18	1.16	SW-846 6010B	P
Iron	19900	mg/kg		3.93	11.6	SW-846 6010B	P
Lead	50.0	mg/kg		0.28	1.73	SW-846 6010B	P
Lithium	18.8	mg/kg		0.69	5.78	SW-846 6010B	P
Manganese	246	mg/kg		0.31	1.73	SW-846 6010B	P
Mercury	0.059	mg/kg		0.010	0.029	SW-846 7471A	AV
Molybdenum	1.94	mg/kg	B	0.22	3.47	SW-846 6010B	P
Nickel	20.7	mg/kg		0.10	4.62	SW-846 6010B	P
Selenium	4.62	mg/kg	U	1.22	4.62	SW-846 6010B	P
Silver	1.16	mg/kg	U	0.14	1.16	SW-846 6010B	P
Strontium	75.3	mg/kg		0.063	1.16	SW-846 6010B	P
Thallium	2.31	mg/kg	U	0.49	2.31	SW-846 6010B	P
Tin	11.6	mg/kg	U	1.29	11.6	SW-846 6010B	P
Titanium	30.8	mg/kg		0.13	11.6	SW-846 6010B	P
Vanadium	27.8	mg/kg		0.14	2.31	SW-846 6010B	P
Zinc	539	mg/kg		0.15	2.31	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED7-007 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 64.66 | Lab Sample ID: 20612072817

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0900

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	12100	mg/kg		1.63	12.3	SW-846 6010B	P
Antimony	0.95	mg/kg	B	0.29	3.68	SW-846 6010B	P
Arsenic	2.45	mg/kg	U	0.25	2.45	SW-846 6010B	P
Barium	88.9	mg/kg		0.023	0.61	SW-846 6010B	P
Beryllium	0.96	mg/kg		0.0092	0.31	SW-846 6010B	P
Boron	22.3	mg/kg		1.44	6.14	SW-846 6010B	P
Cadmium	0.18	mg/kg	B	0.019	0.31	SW-846 6010B	P
Chromium	13.8	mg/kg		0.076	0.61	SW-846 6010B	P
Cobalt	5.55	mg/kg		0.034	0.61	SW-846 6010B	P
Copper	10.9	mg/kg		0.097	0.61	SW-846 6010B	P
Iron	13500	mg/kg		2.09	6.14	SW-846 6010B	P
Lead	20.3	mg/kg		0.15	0.92	SW-846 6010B	P
Lithium	16.7	mg/kg		0.37	3.07	SW-846 6010B	P
Manganese	87.6	mg/kg		0.16	0.92	SW-846 6010B	P
Mercury	0.030	mg/kg		0.0055	0.015	SW-846 7471A	AV
Molybdenum	0.55	mg/kg	B	0.11	1.84	SW-846 6010B	P
Nickel	16.6	mg/kg		0.054	2.45	SW-846 6010B	P
Selenium	2.45	mg/kg	U	0.65	2.45	SW-846 6010B	P
Silver	0.61	mg/kg	U	0.072	0.61	SW-846 6010B	P
Strontium	55.7	mg/kg		0.034	0.61	SW-846 6010B	P
Thallium	1.23	mg/kg	U	0.26	1.23	SW-846 6010B	P
Tin	6.14	mg/kg	U	0.69	6.14	SW-846 6010B	P
Titanium	17.0	mg/kg		0.069	6.14	SW-846 6010B	P
Vanadium	20.8	mg/kg		0.077	1.23	SW-846 6010B	P
Zinc	82.6	mg/kg		0.078	1.23	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED13-013 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 82.88 | Lab Sample ID: 20612072818

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0905

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	12300	mg/kg		1.28	9.65	SW-846 6010B	P
Antimony	1.39	mg/kg	B	0.23	2.90	SW-846 6010B	P
Arsenic	3.15	mg/kg		0.20	1.93	SW-846 6010B	P
Barium	70.4	mg/kg		0.018	0.48	SW-846 6010B	P
Beryllium	0.75	mg/kg		0.0072	0.24	SW-846 6010B	P
Boron	18.8	mg/kg		1.13	4.83	SW-846 6010B	P
Cadmium	0.24	mg/kg	U	0.015	0.24	SW-846 6010B	P
Chromium	10.5	mg/kg		0.059	0.48	SW-846 6010B	P
Cobalt	7.13	mg/kg		0.027	0.48	SW-846 6010B	P
Copper	5.73	mg/kg		0.076	0.48	SW-846 6010B	P
Iron	15300	mg/kg		1.64	4.83	SW-846 6010B	P
Lead	11.3	mg/kg		0.12	0.72	SW-846 6010B	P
Lithium	19.0	mg/kg		0.29	2.41	SW-846 6010B	P
Manganese	430	mg/kg		0.13	0.72	SW-846 6010B	P
Mercury	0.0061	mg/kg	B	0.0043	0.012	SW-846 7471A	AV
Molybdenum	0.43	mg/kg	B	0.090	1.45	SW-846 6010B	P
Nickel	16.1	mg/kg		0.042	1.93	SW-846 6010B	P
Selenium	1.93	mg/kg	U	0.51	1.93	SW-846 6010B	P
Silver	0.48	mg/kg	U	0.057	0.48	SW-846 6010B	P
Strontium	36.0	mg/kg		0.026	0.48	SW-846 6010B	P
Thallium	0.97	mg/kg	U	0.20	0.97	SW-846 6010B	P
Tin	4.83	mg/kg	U	0.54	4.83	SW-846 6010B	P
Titanium	19.8	mg/kg		0.055	4.83	SW-846 6010B	P
Vanadium	22.6	mg/kg		0.061	0.97	SW-846 6010B	P
Zinc	33.7	mg/kg		0.062	0.97	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED14-014 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 81.03 | Lab Sample ID: 20612072819

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 0910

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	9110	mg/kg		1.31	9.87	SW-846 6010B	P
Antimony	0.98	mg/kg	B	0.24	2.96	SW-846 6010B	P
Arsenic	1.00	mg/kg	B	0.20	1.97	SW-846 6010B	P
Barium	67.5	mg/kg		0.018	0.49	SW-846 6010B	P
Beryllium	0.64	mg/kg		0.0074	0.25	SW-846 6010B	P
Boron	18.0	mg/kg		1.16	4.94	SW-846 6010B	P
Cadmium	0.25	mg/kg	U	0.015	0.25	SW-846 6010B	P
Chromium	8.96	mg/kg		0.061	0.49	SW-846 6010B	P
Cobalt	5.49	mg/kg		0.027	0.49	SW-846 6010B	P
Copper	5.44	mg/kg		0.078	0.49	SW-846 6010B	P
Iron	11600	mg/kg		1.68	4.94	SW-846 6010B	P
Lead	10.0	mg/kg		0.12	0.74	SW-846 6010B	P
Lithium	14.4	mg/kg		0.30	2.47	SW-846 6010B	P
Manganese	210	mg/kg		0.13	0.74	SW-846 6010B	P
Mercury	0.0078	mg/kg	B	0.0044	0.012	SW-846 7471A	AV
Molybdenum	0.24	mg/kg	B	0.092	1.48	SW-846 6010B	P
Nickel	12.8	mg/kg		0.043	1.97	SW-846 6010B	P
Selenium	1.97	mg/kg	U	0.52	1.97	SW-846 6010B	P
Silver	0.49	mg/kg	U	0.058	0.49	SW-846 6010B	P
Strontium	26.2	mg/kg		0.027	0.49	SW-846 6010B	P
Thallium	0.99	mg/kg	U	0.21	0.99	SW-846 6010B	P
Tin	4.94	mg/kg	U	0.55	4.94	SW-846 6010B	P
Titanium	18.8	mg/kg		0.056	4.94	SW-846 6010B	P
Vanadium	14.3	mg/kg		0.062	0.99	SW-846 6010B	P
Zinc	31.5	mg/kg		0.063	0.99	SW-846 6010B	P

INORGANIC ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: 2WSED17-017 (0-0.5)

Lab Code: LA024 | Case No.: | Contract:

Matrix: (soil / water) Soil | SAS No.: | SDG No.: 206120728

Level: (low / med) | % Solids: 52.92 | Lab Sample ID: 20612072820

Date Received: 12/07/06 | Time: 1025 | Date Collected: 12/06/06 | Time: 1130

Analyte	Concentration	Units	C	MDL	PQL	Method	Type
Aluminum	7290	mg/kg		1.99	15.0	SW-846 6010B	P
Antimony	1.97	mg/kg	B	0.36	4.50	SW-846 6010B	P
Arsenic	1.40	mg/kg	B	0.31	3.00	SW-846 6010B	P
Barium	395	mg/kg		0.028	0.75	SW-846 6010B	P
Beryllium	0.52	mg/kg		0.011	0.37	SW-846 6010B	P
Boron	13.5	mg/kg		1.76	7.50	SW-846 6010B	P
Cadmium	0.37	mg/kg	U	0.023	0.37	SW-846 6010B	P
Chromium	17.7	mg/kg		0.092	0.75	SW-846 6010B	P
Cobalt	4.92	mg/kg		0.041	0.75	SW-846 6010B	P
Copper	25.6	mg/kg		0.12	0.75	SW-846 6010B	P
Iron	18100	mg/kg		2.55	7.50	SW-846 6010B	P
Lead	237	mg/kg		0.18	1.12	SW-846 6010B	P
Lithium	11.3	mg/kg		0.45	3.75	SW-846 6010B	P
Manganese	292	mg/kg		0.20	1.12	SW-846 6010B	P
Mercury	0.016	mg/kg	B	0.0068	0.019	SW-846 7471A	AV
Molybdenum	1.61	mg/kg	B	0.14	2.25	SW-846 6010B	P
Nickel	13.7	mg/kg		0.066	3.00	SW-846 6010B	P
Selenium	3.00	mg/kg	U	0.79	3.00	SW-846 6010B	P
Silver	0.75	mg/kg	U	0.088	0.75	SW-846 6010B	P
Strontium	63.8	mg/kg		0.041	0.75	SW-846 6010B	P
Thallium	1.50	mg/kg	U	0.32	1.50	SW-846 6010B	P
Tin	7.50	mg/kg	U	0.84	7.50	SW-846 6010B	P
Titanium	25.9	mg/kg		0.085	7.50	SW-846 6010B	P
Vanadium	16.9	mg/kg		0.094	1.50	SW-846 6010B	P
Zinc	404	mg/kg		0.096	1.50	SW-846 6010B	P

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Calibration Source: 163-48-5 CPI/EXAXOL Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1130

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	10.0	9.84	98	mg/L	SW-846 6010B	P
Antimony	1.00	0.930	93	mg/L	SW-846 6010B	P
Arsenic	1.00	0.900	90	mg/L	SW-846 6010B	P
Barium	1.00	0.990	99	mg/L	SW-846 6010B	P
Beryllium	1.00	0.970	97	mg/L	SW-846 6010B	P
Boron	5.00	5.09	102	mg/L	SW-846 6010B	P
Cadmium	1.00	0.970	97	mg/L	SW-846 6010B	P
Calcium	10.0	9.89	99	mg/L	SW-846 6010B	P
Chromium	1.00	0.970	97	mg/L	SW-846 6010B	P
Cobalt	1.00	0.960	96	mg/L	SW-846 6010B	P
Copper	1.00	0.950	95	mg/L	SW-846 6010B	P
Iron	10.0	10.0	100	mg/L	SW-846 6010B	P
Lead	1.00	0.980	98	mg/L	SW-846 6010B	P
Lithium	1.00	0.980	98	mg/L	SW-846 6010B	P
Magnesium	10.0	10.0	100	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	0.970	97	mg/L	SW-846 6010B	P
Potassium	10.0	10.1	101	mg/L	SW-846 6010B	P
Selenium	1.00	0.990	99	mg/L	SW-846 6010B	P
Silver	1.00	1.02	102	mg/L	SW-846 6010B	P
Sodium	10.0	9.96	100	mg/L	SW-846 6010B	P
Strontium	1.00	0.970	97	mg/L	SW-846 6010B	P
Thallium	1.00	0.990	99	mg/L	SW-846 6010B	P
Tin	1.00	1.02	102	mg/L	SW-846 6010B	P
Titanium	1.00	0.980	98	mg/L	SW-846 6010B	P
Vanadium	1.00	0.970	97	mg/L	SW-846 6010B	P
Zinc	1.00	0.960	96	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.: 206120728

Calibration Source: 163-49-5 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1158

CRDL STANDARD

Analyte	True	Found	CAL %R	Units	Method	Type
Aluminum	0.200	0.190	94	mg/L	SW-846 6010B	P
Antimony	0.0600	0.0610	102	mg/L	SW-846 6010B	P
Arsenic	0.0100	0.0120	116	mg/L	SW-846 6010B	P
Barium	0.0100	0.00990	99	mg/L	SW-846 6010B	P
Beryllium	0.00500	0.00500	100	mg/L	SW-846 6010B	P
Boron	0.500	0.480	96	mg/L	SW-846 6010B	P
Cadmium	0.00500	0.00470	95	mg/L	SW-846 6010B	P
Calcium	0.100	0.0980	98	mg/L	SW-846 6010B	P
Chromium	0.0100	0.00850	85	mg/L	SW-846 6010B	P
Cobalt	0.0100	0.00960	96	mg/L	SW-846 6010B	P
Copper	0.0100	0.00890	89	mg/L	SW-846 6010B	P
Iron	0.100	0.0920	92	mg/L	SW-846 6010B	P
Lead	0.0150	0.0150	102	mg/L	SW-846 6010B	P
Lithium	0.0500	0.0510	101	mg/L	SW-846 6010B	P
Magnesium	0.100	0.0640	64	mg/L	SW-846 6010B	P
Manganese	0.0150	0.0150	99	mg/L	SW-846 6010B	P
Molybdenum	0.0500	0.0480	95	mg/L	SW-846 6010B	P
Nickel	0.0400	0.0400	99	mg/L	SW-846 6010B	P
Potassium	0.500	0.490	99	mg/L	SW-846 6010B	P
Selenium	0.0400	0.0360	91	mg/L	SW-846 6010B	P
Silver	0.0100	0.00980	98	mg/L	SW-846 6010B	P
Sodium	1.00	0.990	99	mg/L	SW-846 6010B	P
Strontium	0.0500	0.0490	98	mg/L	SW-846 6010B	P
Thallium	0.0100	0.00970	97	mg/L	SW-846 6010B	P
Tin	0.100	0.0950	95	mg/L	SW-846 6010B	P
Titanium	0.100	0.0970	97	mg/L	SW-846 6010B	P
Vanadium	0.0200	0.0190	93	mg/L	SW-846 6010B	P
Zinc	0.0200	0.0200	98	mg/L	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Calibration Source: 163-49-3 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1204

CRDL STANDARD

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	0.100	0.0830	83	mg/L	SW-846 6010B	P
Antimony	0.0100	0.0110	107	mg/L	SW-846 6010B	P
Boron	0.100	0.0990	99	mg/L	SW-846 6010B	P
Chromium	0.00500	0.00530	106	mg/L	SW-846 6010B	P
Cobalt	0.00500	0.00530	107	mg/L	SW-846 6010B	P
Copper	0.00600	0.00440	73	mg/L	SW-846 6010B	P
Iron	0.0500	0.0500	100	mg/L	SW-846 6010B	P
Lead	0.00500	0.00410	81	mg/L	SW-846 6010B	P
Magnesium	0.0500	0.00300	6	mg/L	SW-846 6010B	P
Manganese	0.0100	0.0100	101	mg/L	SW-846 6010B	P
Molybdenum	0.0100	0.0100	101	mg/L	SW-846 6010B	P
Nickel	0.0100	0.00960	96	mg/L	SW-846 6010B	P
Selenium	0.0100	0.00870	87	mg/L	SW-846 6010B	P
Tin	0.0250	0.0250	101	mg/L	SW-846 6010B	P
Titanium	0.00500	0.00510	103	mg/L	SW-846 6010B	P
Zinc	0.0100	0.00860	86	mg/L	SW-846 6010B	P

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Calibration Source: 163-48-6 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1229

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.06	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	0.510	102	mg/L	SW-846 6010B	P
Boron	2.50	2.52	101	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	102	mg/L	SW-846 6010B	P
Calcium	5.00	5.12	102	mg/L	SW-846 6010B	P
Chromium	0.500	0.510	102	mg/L	SW-846 6010B	P
Cobalt	0.500	0.510	102	mg/L	SW-846 6010B	P
Copper	0.500	0.500	101	mg/L	SW-846 6010B	P
Iron	5.00	5.18	104	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	103	mg/L	SW-846 6010B	P
Magnesium	5.00	5.13	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	0.510	102	mg/L	SW-846 6010B	P
Potassium	10.0	10.4	104	mg/L	SW-846 6010B	P
Selenium	0.500	0.530	105	mg/L	SW-846 6010B	P
Silicon	0.500	0.480	96	mg/L	SW-846 6010B	P
Silver	0.500	0.520	104	mg/L	SW-846 6010B	P
Sodium	20.0	20.8	104	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	0.510	101	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	102	mg/L	SW-846 6010B	P
Zirconium	0.500	0.510	102	mg/L	SW-846 6010B	P

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Calibration Source: 163-48-6 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1310

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	0.500	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	0.510	102	mg/L	SW-846 6010B	P
Boron	2.50	2.54	102	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	103	mg/L	SW-846 6010B	P
Calcium	5.00	5.16	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	101	mg/L	SW-846 6010B	P
Iron	5.00	5.20	104	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.05	101	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	0.510	103	mg/L	SW-846 6010B	P
Potassium	10.0	10.4	104	mg/L	SW-846 6010B	P
Selenium	0.500	0.530	105	mg/L	SW-846 6010B	P
Silicon	0.500	0.480	96	mg/L	SW-846 6010B	P
Silver	0.500	0.520	104	mg/L	SW-846 6010B	P
Sodium	20.0	20.9	105	mg/L	SW-846 6010B	P
Strontium	0.500	0.520	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	101	mg/L	SW-846 6010B	P
Tin	0.500	0.510	102	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	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.: 206120728

Calibration Source: 163-48-6 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1428

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.08	102	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	100	mg/L	SW-846 6010B	P
Arsenic	0.500	0.510	102	mg/L	SW-846 6010B	P
Barium	0.500	0.510	102	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	102	mg/L	SW-846 6010B	P
Boron	2.50	2.55	102	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	102	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	102	mg/L	SW-846 6010B	P
Copper	0.500	0.510	101	mg/L	SW-846 6010B	P
Iron	5.00	5.16	103	mg/L	SW-846 6010B	P
Lead	0.500	0.510	102	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	103	mg/L	SW-846 6010B	P
Magnesium	5.00	5.09	102	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	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	10.4	104	mg/L	SW-846 6010B	P
Selenium	0.500	0.520	104	mg/L	SW-846 6010B	P
Silicon	0.500	0.480	97	mg/L	SW-846 6010B	P
Silver	0.500	0.520	104	mg/L	SW-846 6010B	P
Sodium	20.0	21.0	105	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	103	mg/L	SW-846 6010B	P
Thallium	0.500	0.510	101	mg/L	SW-846 6010B	P
Tin	0.500	0.510	101	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	103	mg/L	SW-846 6010B	P
Vanadium	0.500	0.500	100	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	103	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.: 206120728

Calibration Source: 163-48-6 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1542

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.02	100	mg/L	SW-846 6010B	P
Antimony	0.500	0.490	98	mg/L	SW-846 6010B	P
Arsenic	0.500	0.500	100	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	2.49	100	mg/L	SW-846 6010B	P
Cadmium	0.500	0.500	100	mg/L	SW-846 6010B	P
Calcium	5.00	5.00	100	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	100	mg/L	SW-846 6010B	P
Iron	5.00	5.14	103	mg/L	SW-846 6010B	P
Lead	0.500	0.500	100	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	102	mg/L	SW-846 6010B	P
Magnesium	5.00	5.01	100	mg/L	SW-846 6010B	P
Manganese	0.500	0.500	101	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	100	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	100	mg/L	SW-846 6010B	P
Potassium	10.0	10.5	105	mg/L	SW-846 6010B	P
Selenium	0.500	0.520	103	mg/L	SW-846 6010B	P
Silicon	0.500	0.520	105	mg/L	SW-846 6010B	P
Silver	0.500	0.510	103	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	0.500	100	mg/L	SW-846 6010B	P
Tin	0.500	0.500	100	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	98	mg/L	SW-846 6010B	P
Zinc	0.500	0.510	101	mg/L	SW-846 6010B	P
Zirconium	0.500	0.490	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.: 206120728

Calibration Source: 163-48-6 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1655

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	98	mg/L	SW-846 6010B	P
Arsenic	0.500	0.490	99	mg/L	SW-846 6010B	P
Barium	0.500	0.500	99	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	0.490	99	mg/L	SW-846 6010B	P
Calcium	5.00	4.99	100	mg/L	SW-846 6010B	P
Chromium	0.500	0.490	99	mg/L	SW-846 6010B	P
Cobalt	0.500	0.500	99	mg/L	SW-846 6010B	P
Copper	0.500	0.500	99	mg/L	SW-846 6010B	P
Iron	5.00	5.16	103	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	4.97	99	mg/L	SW-846 6010B	P
Manganese	0.500	0.500	100	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.490	99	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	100	mg/L	SW-846 6010B	P
Potassium	10.0	10.5	105	mg/L	SW-846 6010B	P
Selenium	0.500	0.510	102	mg/L	SW-846 6010B	P
Silicon	0.500	0.520	105	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	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	0.490	98	mg/L	SW-846 6010B	P
Tin	0.500	0.500	99	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	99	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	97	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	100	mg/L	SW-846 6010B	P
Zirconium	0.500	0.490	98	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.: 206120728

Calibration Source: 163-48-6 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1814

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.05	101	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	100	mg/L	SW-846 6010B	P
Arsenic	0.500	0.500	100	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	2.47	99	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	99	mg/L	SW-846 6010B	P
Cobalt	0.500	0.500	101	mg/L	SW-846 6010B	P
Copper	0.500	0.500	100	mg/L	SW-846 6010B	P
Iron	5.00	5.16	103	mg/L	SW-846 6010B	P
Lead	0.500	0.500	100	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	103	mg/L	SW-846 6010B	P
Magnesium	5.00	5.04	101	mg/L	SW-846 6010B	P
Manganese	0.500	0.500	100	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	101	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	101	mg/L	SW-846 6010B	P
Potassium	10.0	10.4	104	mg/L	SW-846 6010B	P
Selenium	0.500	0.520	105	mg/L	SW-846 6010B	P
Silicon	0.500	0.530	106	mg/L	SW-846 6010B	P
Silver	0.500	0.510	102	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	0.500	100	mg/L	SW-846 6010B	P
Tin	0.500	0.500	100	mg/L	SW-846 6010B	P
Titanium	0.500	0.500	101	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	97	mg/L	SW-846 6010B	P
Zinc	0.500	0.500	100	mg/L	SW-846 6010B	P
Zirconium	0.500	0.490	98	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.: 206120728

Calibration Source: 163-48-6 INORGANIC VENTURES Instrument ID: ICP6 ICAL ID: 2

Date Analyzed: 12/08/06 Time: 1934

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Aluminum	5.00	5.06	101	mg/L	SW-846 6010B	P
Antimony	0.500	0.500	99	mg/L	SW-846 6010B	P
Arsenic	0.500	0.500	100	mg/L	SW-846 6010B	P
Barium	0.500	0.510	101	mg/L	SW-846 6010B	P
Beryllium	0.500	0.510	101	mg/L	SW-846 6010B	P
Boron	2.50	2.50	100	mg/L	SW-846 6010B	P
Cadmium	0.500	0.510	101	mg/L	SW-846 6010B	P
Calcium	5.00	5.06	101	mg/L	SW-846 6010B	P
Chromium	0.500	0.500	101	mg/L	SW-846 6010B	P
Cobalt	0.500	0.500	101	mg/L	SW-846 6010B	P
Copper	0.500	0.500	101	mg/L	SW-846 6010B	P
Iron	5.00	5.19	104	mg/L	SW-846 6010B	P
Lead	0.500	0.500	101	mg/L	SW-846 6010B	P
Lithium	0.500	0.510	103	mg/L	SW-846 6010B	P
Magnesium	5.00	5.05	101	mg/L	SW-846 6010B	P
Manganese	0.500	0.510	102	mg/L	SW-846 6010B	P
Molybdenum	0.500	0.500	101	mg/L	SW-846 6010B	P
Nickel	0.500	0.500	101	mg/L	SW-846 6010B	P
Potassium	10.0	10.4	104	mg/L	SW-846 6010B	P
Selenium	0.500	0.520	104	mg/L	SW-846 6010B	P
Silicon	0.500	0.530	106	mg/L	SW-846 6010B	P
Silver	0.500	0.520	103	mg/L	SW-846 6010B	P
Sodium	20.0	20.9	104	mg/L	SW-846 6010B	P
Strontium	0.500	0.510	102	mg/L	SW-846 6010B	P
Thallium	0.500	0.500	100	mg/L	SW-846 6010B	P
Tin	0.500	0.500	99	mg/L	SW-846 6010B	P
Titanium	0.500	0.510	102	mg/L	SW-846 6010B	P
Vanadium	0.500	0.490	99	mg/L	SW-846 6010B	P
Zinc	0.500	0.530	105	mg/L	SW-846 6010B	P
Zirconium	0.500	0.530	106	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.: 206120728

Calibration Source: 163-42-3 CPI Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/08/06 Time: 1138

INITIAL CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00515	103	mg/L	SW-846 7471A	AV

ICV CONTROL LIMITS EPA 6010B = 90-110 EPA 200.7 = 95-105

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Calibration Source: 163-42-2 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/08/06 Time: 1141

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00505	101	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

001387

035475

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Calibration Source: 163-42-2 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/08/06 Time: 1201

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00528	106	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.: 206120728

Calibration Source: 163-42-2 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/08/06 Time: 1220

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00545	109	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.: 206120728

Calibration Source: 163-42-2 EXAXOL Instrument ID: FIMS1 ICAL ID: 1

Date Analyzed: 12/08/06 Time: 1228

CONTINUING CALIBRATION VERIFICATION

Analyte	*True*	*Found*	*CAL %R*	*Units*	*Method*	*Type*
Mercury	0.00500	0.00551	110	mg/L	SW-846 7471A	AV

CCV CONTROL LIMITS EPA 6010B AND 200.7 = 90-110 EPA 7470/7471 AND 7XXX = 80-120

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: ICB
ICAL ID: 2

Lab Sample DESC: ICB FOR HBN 338456 [ICP/4028]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 12/08/06 Time: 1142

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.020	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0039	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/L	0.0024	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	0.000097	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.026	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00019	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.0012	0.010	SW-846 6010B	P
Cobalt	0.00036	B	mg/L	0.00027	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0024	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.022	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0035	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/L	0.00060	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0027	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00045	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0046	0.040	SW-846 6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/L	0.00094	0.050	SW-846 6010B	P
Thallium	0.020	U	mg/L	0.00089	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0062	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/L	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.0011	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0023	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB FOR HBN 338456 [ICP/4028]
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP6
Date Analyzed: 12/08/06 Time: 1236

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.020	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0039	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/L	0.0024	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	0.000097	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.026	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00019	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.0012	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00027	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0024	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.022	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0035	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/L	0.00060	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0027	0.050	SW-846 6010B	P
Nickel	0.00046	B	mg/L	0.00045	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0046	0.040	SW-846 6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/L	0.00094	0.050	SW-846 6010B	P
Thallium	0.0026	B	mg/L	0.00089	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0062	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/L	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.0011	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0023	0.020	SW-846 6010B	P

001892

035480

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 338456 [ICP/4028]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 12/08/06 Time: 1316

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.020	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0039	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/L	0.0024	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	0.000097	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.026	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00019	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.0012	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00027	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0024	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.022	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0035	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/L	0.00060	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0027	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00045	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0046	0.040	SW-846 6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/L	0.00094	0.050	SW-846 6010B	P
Thallium	0.0026	B	mg/L	0.00089	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0062	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/L	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.0011	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0023	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 338456 [ICP/4028]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 12/08/06 Time: 1434

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.020	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0039	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/L	0.0024	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	0.000097	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.026	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00019	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.0012	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00027	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0024	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.022	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0035	0.050	SW-846 6010B	P
Manganese	0.015	U	mg/L	0.00060	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0027	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00045	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0046	0.040	SW-846 6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/L	0.00094	0.050	SW-846 6010B	P
Thallium	0.0021	B	mg/L	0.00089	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0062	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/L	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.0011	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0023	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: 436544
ICAL ID: 2

Lab Sample DESC: MB436544
Preparation Blank Matrix: (soil / water) Soil

Instrument ID: ICP6
Date Analyzed: 12/08/06 Time: 1441

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	8.00	U	mg/kg	1.06	8.00	SW-846 6010B	P
Antimony	2.40	U	mg/kg	0.19	2.40	SW-846 6010B	P
Arsenic	1.60	U	mg/kg	0.16	1.60	SW-846 6010B	P
Barium	0.40	U	mg/kg	0.015	0.40	SW-846 6010B	P
Beryllium	0.20	U	mg/kg	0.0060	0.20	SW-846 6010B	P
Boron	4.00	U	mg/kg	0.94	4.00	SW-846 6010B	P
Cadmium	0.20	U	mg/kg	0.013	0.20	SW-846 6010B	P
Chromium	0.40	U	mg/kg	0.049	0.40	SW-846 6010B	P
Cobalt	0.40	U	mg/kg	0.022	0.40	SW-846 6010B	P
Copper	0.40	U	mg/kg	0.063	0.40	SW-846 6010B	P
Iron	4.00	U	mg/kg	1.36	4.00	SW-846 6010B	P
Lead	0.60	U	mg/kg	0.097	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	0.075	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	0.42	1.60	SW-846 6010B	P
Silver	0.40	U	mg/kg	0.047	0.40	SW-846 6010B	P
Strontium	0.40	U	mg/kg	0.022	0.40	SW-846 6010B	P
Thallium	0.80	U	mg/kg	0.17	0.80	SW-846 6010B	P
Tin	4.00	U	mg/kg	0.45	4.00	SW-846 6010B	P
Titanium	4.00	U	mg/kg	0.045	4.00	SW-846 6010B	P
Vanadium	0.80	U	mg/kg	0.050	0.80	SW-846 6010B	P
Zinc	0.80	U	mg/kg	0.051	0.80	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 338456 [ICP/4028]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 12/08/06 Time: 1548

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.020	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0039	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/L	0.0024	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	0.000097	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.026	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00019	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.0012	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00027	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0024	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.022	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0035	0.050	SW-846 6010B	P
Manganese	0.0010	B	mg/L	0.00060	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0027	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00045	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0046	0.040	SW-846 6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/L	0.00094	0.050	SW-846 6010B	P
Thallium	0.0036	B	mg/L	0.00089	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0062	0.025	SW-846 6010B	P
Titanium	0.10	U	mg/L	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.0011	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0023	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: CCB
ICAL ID: 2

Lab Sample DESC: CCB FOR HBN 338456 [ICP/4028]
Preparation Blank Matrix: (soil / water)

Instrument ID: ICP6
Date Analyzed: 12/08/06 Time: 1704

CONTINUING CALIBRATION BLANK

Analyte	Conc.	C	Units	MDL	PQL	Method	Type
Aluminum	0.20	U	mg/L	0.020	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0039	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/L	0.0024	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	0.000097	0.0050	SW-846 6010B	P
Boron	0.031	B	mg/L	0.026	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00019	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.0012	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00027	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0024	0.010	SW-846 6010B	P
Iron	0.023	B	mg/L	0.022	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0035	0.050	SW-846 6010B	P
Manganese	0.00098	B	mg/L	0.00060	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0027	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00045	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0046	0.040	SW-846 6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/L	0.00094	0.050	SW-846 6010B	P
Thallium	0.0026	B	mg/L	0.00089	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0062	0.025	SW-846 6010B	P
Titanium	0.00061	B	mg/L	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.0011	0.020	SW-846 6010B	P
Zinc	0.0032	B	mg/L	0.0023	0.020	SW-846 6010B	P

BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Lab Sample ID: CCB
ICAL ID: 2
Lab Sample DESC: CCB FOR HBN 338456 [ICP/4028]
Preparation Blank Matrix: (soil / water)
Instrument ID: ICP6
Date Analyzed: 12/08/06 Time: 1821

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Aluminum	0.20	U	mg/L	0.020	0.20	SW-846 6010B	P
Antimony	0.060	U	mg/L	0.0039	0.060	SW-846 6010B	P
Arsenic	0.010	U	mg/L	0.0024	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	0.000097	0.0050	SW-846 6010B	P
Boron	1.00	U	mg/L	0.026	1.00	SW-846 6010B	P
Cadmium	0.0050	U	mg/L	0.00019	0.0050	SW-846 6010B	P
Chromium	0.010	U	mg/L	0.0012	0.010	SW-846 6010B	P
Cobalt	0.010	U	mg/L	0.00027	0.010	SW-846 6010B	P
Copper	0.010	U	mg/L	0.0024	0.010	SW-846 6010B	P
Iron	0.10	U	mg/L	0.022	0.10	SW-846 6010B	P
Lead	0.015	U	mg/L	0.0013	0.015	SW-846 6010B	P
Lithium	0.050	U	mg/L	0.0035	0.050	SW-846 6010B	P
Manganese	0.00099	B	mg/L	0.00060	0.015	SW-846 6010B	P
Molybdenum	0.050	U	mg/L	0.0027	0.050	SW-846 6010B	P
Nickel	0.040	U	mg/L	0.00045	0.040	SW-846 6010B	P
Selenium	0.040	U	mg/L	0.0046	0.040	SW-846 6010B	P
Silver	0.010	U	mg/L	0.00060	0.010	SW-846 6010B	P
Strontium	0.050	U	mg/L	0.00094	0.050	SW-846 6010B	P
Thallium	0.0015	B	mg/L	0.00089	0.020	SW-846 6010B	P
Tin	0.025	U	mg/L	0.0062	0.025	SW-846 6010B	P
Titanium	0.00052	B	mg/L	0.00050	0.10	SW-846 6010B	P
Vanadium	0.020	U	mg/L	0.0011	0.020	SW-846 6010B	P
Zinc	0.020	U	mg/L	0.0023	0.020	SW-846 6010B	P

001398

035486

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: ICB
ICAL ID: 1

Lab Sample DESC: ICB FOR HBN 338434 [HG/3168]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/08/06 Time: 1139

INITIAL CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00020	U	mg/L	0.000040	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 338434 [HG/3168]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/08/06 Time: 1143

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.000063	B	mg/L	0.000040	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: 436546
ICAL ID: 1

Lab Sample DESC: MB436546
Preparation Blank Matrix: (soil / water) Soil

Instrument ID: FIMS1
Date Analyzed: 12/08/06 Time: 1144

PREPARATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.010	U	mg/kg	0.0036	0.010	SW-846 7471A	AV

001401

035489

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 338434 [HG/3168]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/08/06 Time: 1202

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.00010	B	mg/L	0.000040	0.00020	SW-846 7471A	AV

BLANKS

Lab Name: GCAL
Contract:

Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728

Lab Sample ID: CCB
ICAL ID: 1

Lab Sample DESC: CCB FOR HBN 338434 [HG/3168]
Preparation Blank Matrix: (soil / water)

Instrument ID: FIMS1
Date Analyzed: 12/08/06 Time: 1222

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.000077	B	mg/L	0.000040	0.00020	SW-846 7471A	AV

001403

035491

BLANKS

Lab Name: GCAL
Contract:
Lab Code: LA024 Case No.:
SAS No.: SDG No.: 206120728
Lab Sample ID: CCB
ICAL ID: 1
Lab Sample DESC: CCB FOR HBN 338434 [HG/3168]
Preparation Blank Matrix: (soil / water)
Instrument ID: FIMS1
Date Analyzed: 12/08/06 Time: 1230

CONTINUING CALIBRATION BLANK

Analyte	*Conc.*	*C*	*Units*	*MDL*	*PQL*	*Method*	*Type*
Mercury	0.000088	B	mg/L	0.000040	0.00020	SW-846 7471A	AV

001404

035492

ICP INTERFERENCE CHECK SAMPLE

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

ICP ID Number: ICP6 ICS Source: 163-47-2 SPEX~163-46-1 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	199	205	102			
Antimony	0	1.00		0.98	98			
Arsenic	0	1.00		0.93	93			
Barium	0	0.50		0.48	96			
Beryllium	0	0.50		0.48	96			
Boron	0	1.00		0.96	96			
Cadmium	0	1.00		0.91	91			
Calcium	200	200	190	197	98			
Chromium	0	0.50		0.46	92			
Cobalt	0	0.50		0.45	90			
Copper	0	0.50		0.47	94			
Iron	80.0	80.0	75.6	78.2	98			
Lead	0	1.00		0.94	94			
Magnesium	200	200	189	196	98			
Manganese	0	0.50		0.48	96			
Molybdenum	0	1.00		0.94	94			
Nickel	0	1.00		0.90	90			
Selenium	0	1.00		0.98	98			
Silver	0	1.00		1.00	100			
Thallium	0	1.00		0.98	98			
Vanadium	0	0.50		0.46	92			
Zinc	0	1.00		0.93	93			

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix Spike - EPA Sample No: 2WSED1-001 (0-0.5) Method SW-846 6010B

SAMPLE NO. : 20612072804

COMPOUND	*UNITS*	*SPIKE ADDED*	*SAMPLE CONCENTRATION*	*MS CONCENTRATION*	*MS % REC*	*#*	*QC. LIMITS*
Aluminum	mg/kg	258	9380	15000	455	N	75 - 125
Antimony	mg/kg	25.8	1.05	19.1	48	N	75 - 125
Arsenic	mg/kg	25.8	1.01	35.9	94		75 - 125
Barium	mg/kg	25.8	71.8	109	19	N	75 - 125
Beryllium	mg/kg	25.8	.65	36.2	96		75 - 125
Boron	mg/kg	129	17.5	148	67	N	75 - 125
Cadmium	mg/kg	25.8	0	34.4	94		75 - 125
Chromium	mg/kg	25.8	9.12	48.4	97		75 - 125
Cobalt	mg/kg	25.8	5.48	41.3	91		75 - 125
Copper	mg/kg	25.8	5.58	47.1	107		75 - 125
Iron	mg/kg	258	11900	16800	-50	N	75 - 125
Lead	mg/kg	25.8	11	51	96		75 - 125
Lithium	mg/kg	25.8	14.1	58.4	104		75 - 125
Manganese	mg/kg	25.8	274	339	-100	N	75 - 125
Mercury	mg/kg	.32	.0086	.45	96		75 - 125
Molybdenum	mg/kg	25.8	.37	30	80		75 - 125
Nickel	mg/kg	25.8	12.5	50.8	90		75 - 125
Selenium	mg/kg	25.8	0	33.8	92		75 - 125
Silver	mg/kg	25.8	0	36.8	100		75 - 125
Strontium	mg/kg	25.8	26.9	74.3	98		75 - 125
Thallium	mg/kg	25.8	0	34.7	95		75 - 125
Tin	mg/kg	25.8	0	38.2	104		75 - 125
Titanium	mg/kg	25.8	16.7	27.1	9	N	75 - 125
Vanadium	mg/kg	25.8	15.8	54.1	86		75 - 125
Zinc	mg/kg	25.8	41.4	101	115		75 - 125

Column to be used to flag recovery and RPD values with an asterisk

* Values outside of QC limits

RPD : 0 out of 25 outside limits

Spike Recovery: 14 out of 50 outside limits

MS/MSD RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Matrix Spike - EPA Sample No: 2WSED1-001 (0-0.5) Method SW-846 6010B

SAMPLE NO. : 20612072805

COMPOUND	*UNITS*	*SPIKE ADDED*	*MSD CONC.*	*MSD % REC*	#	*% RPD*	#	*QC. LIMITS REC*	*RPD*
Aluminum	mg/kg	258	14000	187	N	7		75 - 125	0 - 20
Antimony	mg/kg	25.8	19	48	N	1		75 - 125	0 - 20
Arsenic	mg/kg	25.8	35.7	93		1		75 - 125	0 - 20
Barium	mg/kg	25.8	117	41	N	7		75 - 125	0 - 20
Beryllium	mg/kg	25.8	36.3	96		.5		75 - 125	0 - 20
Boron	mg/kg	129	157	72	N	5		75 - 125	0 - 20
Cadmium	mg/kg	25.8	34.7	94		.5		75 - 125	0 - 20
Chromium	mg/kg	25.8	48.3	96		.4		75 - 125	0 - 20
Cobalt	mg/kg	25.8	41.9	93		1		75 - 125	0 - 20
Copper	mg/kg	25.8	44.1	99		7		75 - 125	0 - 20
Iron	mg/kg	258	15700	-300	N	7		75 - 125	0 - 20
Lead	mg/kg	25.8	49.2	91		4		75 - 125	0 - 20
Lithium	mg/kg	25.8	57.2	101		2		75 - 125	0 - 20
Manganese	mg/kg	25.8	319	-200	N	6		75 - 125	0 - 20
Mercury	mg/kg	.32	.5	106		8		75 - 125	0 - 20
Molybdenum	mg/kg	25.8	30.7	82		2		75 - 125	0 - 20
Nickel	mg/kg	25.8	50.7	89		.4		75 - 125	0 - 20
Selenium	mg/kg	25.8	35	95		4		75 - 125	0 - 20
Silver	mg/kg	25.8	37.1	101		.5		75 - 125	0 - 20
Strontium	mg/kg	25.8	71.2	90		4		75 - 125	0 - 20
Thallium	mg/kg	25.8	35.2	96		2		75 - 125	0 - 20
Tin	mg/kg	25.8	38.5	105		1		75 - 125	0 - 20
Titanium	mg/kg	25.8	28	11	N	3		75 - 125	0 - 20
Vanadium	mg/kg	25.8	52	80		4		75 - 125	0 - 20
Zinc	mg/kg	25.8	87.5	78		14		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 25 outside limits

Spike Recovery: 14 out of 50 outside limits

POST DIGEST SPIKE SAMPLE RECOVERY

Lab Name: GCAL
Sample ID: SWSED1-001 (0-0.5)PDS

Lab Code: LA024
Case No.:
Contract:

Matrix: (soil / water) Soil
SAS No.:
SDG No.: 206120728

Level: (low / med)
Lab Sample ID: 436799

Orig Lab Sample ID: 20612072801

Analyte	LL	UL	Spiked Sample Result	C	Sample Result	C	Spike Added	% R	Q	Units	Method	Type
Aluminum	75	125	9600		9380		258	84		mg/kg	SW-846 6010B	P
Antimony	75	125	25.9		1.05	B	25.8	96		mg/kg	SW-846 6010B	P
Arsenic	75	125	26.1		1.01	B	25.8	97		mg/kg	SW-846 6010B	P
Barium	75	125	95.5		71.8		25.8	92		mg/kg	SW-846 6010B	P
Beryllium	75	125	25		.65		25.8	94		mg/kg	SW-846 6010B	P
Boron	75	125	141		17.5		129	96		mg/kg	SW-846 6010B	P
Cadmium	75	125	23.6		0	U	25.8	91		mg/kg	SW-846 6010B	P
Chromium	75	125	33		9.12		25.8	93		mg/kg	SW-846 6010B	P
Cobalt	75	125	29.5		5.48		25.8	93		mg/kg	SW-846 6010B	P
Copper	75	125	31.1		5.58		25.8	99		mg/kg	SW-846 6010B	P
Iron	75	125	12000		11900		258	39	N	mg/kg	SW-846 6010B	P
Lead	75	125	35.2		11		25.8	94		mg/kg	SW-846 6010B	P
Lithium	75	125	40		14.1		25.8	100		mg/kg	SW-846 6010B	P
Manganese	75	125	296		274		25.8	87		mg/kg	SW-846 6010B	P
Molybdenum	75	125	24.8		.37	B	25.8	95		mg/kg	SW-846 6010B	P
Nickel	75	125	36.2		12.5		25.8	91		mg/kg	SW-846 6010B	P
Selenium	75	125	24.8		0	U	25.8	96		mg/kg	SW-846 6010B	P
Silver	75	125	24.8		0	U	25.8	96		mg/kg	SW-846 6010B	P
Strontium	75	125	52.1		26.9		25.8	98		mg/kg	SW-846 6010B	P
Thallium	75	125	24.2		0	U	25.8	94		mg/kg	SW-846 6010B	P
Tin	75	125	26.5		0	U	25.8	103		mg/kg	SW-846 6010B	P
Titanium	75	125	43.4		16.7		25.8	103		mg/kg	SW-846 6010B	P
Vanadium	75	125	40.3		15.8		25.8	95		mg/kg	SW-846 6010B	P
Zinc	75	125	65.7		41.4		25.8	94		mg/kg	SW-846 6010B	P

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS436545
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 206120728
Lab Sample ID: 436545
LCS Source: 334-61-6 INORGANIC VENTURES

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Aluminum	200	212	106	80	120	mg/kg	SW-846 6010B	P
Antimony	20.0	20.6	103	80	120	mg/kg	SW-846 6010B	P
Arsenic	20.0	20.7	103	80	120	mg/kg	SW-846 6010B	P
Barium	20.0	21.2	106	80	120	mg/kg	SW-846 6010B	P
Beryllium	20.0	20.6	103	80	120	mg/kg	SW-846 6010B	P
Boron	100	102	102	80	120	mg/kg	SW-846 6010B	P
Cadmium	20.0	21.1	105	80	120	mg/kg	SW-846 6010B	P
Chromium	20.0	21.2	106	80	120	mg/kg	SW-846 6010B	P
Cobalt	20.0	21.3	106	80	120	mg/kg	SW-846 6010B	P
Copper	20.0	21.0	105	80	120	mg/kg	SW-846 6010B	P
Iron	200	219	109	80	120	mg/kg	SW-846 6010B	P
Lead	20.0	21.2	106	80	120	mg/kg	SW-846 6010B	P
Lithium	20.0	21.1	105	80	120	mg/kg	SW-846 6010B	P
Manganese	20.0	21.4	107	80	120	mg/kg	SW-846 6010B	P
Molybdenum	20.0	21.3	106	80	120	mg/kg	SW-846 6010B	P
Nickel	20.0	21.3	107	80	120	mg/kg	SW-846 6010B	P
Selenium	20.0	21.3	106	80	120	mg/kg	SW-846 6010B	P
Silver	20.0	21.1	105	80	120	mg/kg	SW-846 6010B	P
Strontium	20.0	21.3	107	80	120	mg/kg	SW-846 6010B	P
Thallium	20.0	20.4	102	80	120	mg/kg	SW-846 6010B	P
Tin	20.0	22.7	113	80	120	mg/kg	SW-846 6010B	P
Titanium	20.0	21.5	107	80	120	mg/kg	SW-846 6010B	P
Vanadium	20.0	20.8	104	80	120	mg/kg	SW-846 6010B	P
Zinc	20.0	20.8	104	80	120	mg/kg	SW-846 6010B	P

LABORATORY CONTROL SAMPLE

Lab Name: GCAL
Sample ID: LCS436547
Lab Code: LA024
Case No.:
Contract:
Matrix: (soil / water) Soil
SAS No.:
SDG No.: 206120728
Lab Sample ID: 436547
LCS Source: 163-42-2 EXAXOL

Analyte	True	Found	% R	LL	UL	Units	Method	Type
Mercury	0.25	0.25	100	80	120	mg/kg	SW-846 7471A	AV

FORM VII - IN

035498

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: SWSED1-001 (0-0.5)SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 206120728

Level: (low / med)
Org Lab Sample ID: 20612072801

Lab Sample ID: 436800

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Aluminum	0	10	9380		9490		1.2		mg/kg	SW-846 6010B	P
Antimony			1.05	B	0	U	100		mg/kg	SW-846 6010B	P
Arsenic			1.01	B	0	U	100		mg/kg	SW-846 6010B	P
Barium	0	10	71.8		74.2		3.3		mg/kg	SW-846 6010B	P
Beryllium	0	10	0.65		0.69	B	6.2		mg/kg	SW-846 6010B	P
Boron			17.5		24.9	B	42.3		mg/kg	SW-846 6010B	P
Cadmium			0	U	0	U			mg/kg	SW-846 6010B	P
Chromium	0	10	9.12		9.87		8.2		mg/kg	SW-846 6010B	P
Cobalt	0	10	5.48		5.68		3.6		mg/kg	SW-846 6010B	P
Copper	0	10	5.58		6.36		14	E	mg/kg	SW-846 6010B	P
Iron	0	10	11900		12400		4.2		mg/kg	SW-846 6010B	P
Lead	0	10	11.0		11.6		5.5		mg/kg	SW-846 6010B	P
Lithium	0	10	14.1		16.5		17	E	mg/kg	SW-846 6010B	P
Manganese	0	10	274		288		5.1		mg/kg	SW-846 6010B	P
Molybdenum			0.37	B	0.70	B	89.2		mg/kg	SW-846 6010B	P
Nickel	0	10	12.5		13.3		6.4		mg/kg	SW-846 6010B	P
Selenium			0	U	0	U			mg/kg	SW-846 6010B	P
Silver			0	U	0	U			mg/kg	SW-846 6010B	P
Strontium	0	10	26.9		27.2		1.1		mg/kg	SW-846 6010B	P
Thallium			0	U	1.75	B			mg/kg	SW-846 6010B	P
Tin			0	U	0	U			mg/kg	SW-846 6010B	P
Titanium	0	10	16.7		18.9	B	13.2	E	mg/kg	SW-846 6010B	P
Vanadium	0	10	15.8		13.6		13.9	E	mg/kg	SW-846 6010B	P
Zinc	0	10	41.4		43.7		5.6		mg/kg	SW-846 6010B	P

SERIAL DILUTIONS

Lab Name: GCAL
Sample ID: SWSED1-001 (0-0.5)SD

Lab Code: LA024 Case No.
Contract:

Matrix: (soil / water) Soil
SAS No.: SDG No.: 206120728

Level: (low / med)
Org Lab Sample ID: 20612072801

Lab Sample ID: 436779

Analyte	LL	UL	Initial Sample Result	C	Serial Dilution Result	C	% Diff.	Q	Units	Method	Type
Mercury			0.0086	B	0	U	100		mg/kg	SW-846 7471A	AV

FORM IX - IN

001412

035500

METHOD DETECTION LIMITS

Lab Name: GCAL Sample ID:

Lab Code: LA024 SDG No.: 206120728

Study Date: (P) 08/26/06, 3/29/06 (AV) 09/12/06 Instrument ID: (P) ICP5, ICP6 (AV) FIMS1

Analyte	*MDL*	*Units*	*Type*
Aluminium	1.0604	mg/kg	P
Antimony	0.192	mg/kg	P
Arsenic	0.163	mg/kg	P
Barium	0.0149	mg/kg	P
Beryllium	0.006	mg/kg	P
Boron	0.938	mg/kg	P
Cadmium	0.0125	mg/kg	P
Calcium	0.305	mg/kg	P
Chromium	0.0493	mg/kg	P
Cobalt	0.022	mg/kg	P
Copper	0.0631	mg/kg	P
Iron	1.362	mg/kg	P
Lead	0.0971	mg/kg	P
Lithium	0.2404	mg/kg	P
Magnesium	1.607	mg/kg	P
Manganese	0.1072	mg/kg	P
Mercury	0.0036	mg/kg	AV
Molybdenum	0.0749	mg/kg	P
Nickel	0.035	mg/kg	P
Potassium	2.682	mg/kg	P
Selenium	0.422	mg/kg	P
Silicon	1.3375	mg/kg	P
Silver	0.047	mg/kg	P
Sodium	3.6846	mg/kg	P
Strontium	0.0219	mg/kg	P
Thallium	0.1696	mg/kg	P
Tin	0.448	mg/kg	P
Titanium	0.0452	mg/kg	P
Vanadium	0.0502	mg/kg	P
Zinc	0.051	mg/kg	P
Zirconium	0.076	mg/kg	P

001113

035501

IEC File Name: 2060930 IEC

IEC File Last Saved: 10/3/2006 9:45:00 AM
Printed On: 10/3/2006 10:06:31 AM

Results Data Set Name: 2060930 LI
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	0.00186207	-0.224183	0.141057
2	Antimony,7440-36-0	0.0386375	-0.00164802	12.5512	0.300186
5	Arsenic,7440-38-2	-0.174519	-0.00387442	-0.286636	-0.0238985
6	Barium,7440-39-3	0.00108133	0.00201132	0.0789857	0.167887
7	Beryllium,7440-41-7	0	0	0.0577905	0.33056
8	Boron,7440-42-8	0.00640583	0	0.522694	0.16981
9	Cadmium,7440-43-9	-0.0158906	0	0.475584	0.77655
10	Calcium,7440-70-2	0.0719121	n/a	-1.40151	0.727319
11	Chromium,7440-47-3	0.143124	0	n/a	0.27486
12	Cobalt,7440-48-4	0.00948496	0	0.144578	1.657
13	Copper,7440-50-8	0.00146619	0.00260622	0.777336	n/a
14	Iron,7439-89-6	0.0858687	0	0.305599	0.341485
15	Lead,7439-92-1	-0.223778	-0.00807955	-0.150361	2.47396
16	Lithium,7439-93-2	-0.00130611	-0.00104551	-0.018301	-0.00287412
17	Magnesium,7439-95-4	0.0261311	-0.00544279	0.181199	0.389341
18	Manganese, 7439-96-5	-0.00234353	0	-0.0468837	0.0371088
19	Molybdenum,7439-98-7	-0.00649347	0.00281178	0.0639638	0.119102
20	Nickel,7440-02-0	-0.00499007	0	0.0275404	0.124413
21	Potassium,7440-09-7	0.0148287	-0.025795	0.11905	0.427561
23	Selenium,7782-49-2	-0.0636364	-0.0238368	0.106984	0.0470081
24	Silicon,7440-21-3	0.0102486	0.00356606	0.0304361	0.277856
25	Silver,7440-22-4	0	0.00869151	0.0333277	0.106581
26	Sodium,7440-23-5	0.0891568	0.0229244	0.871301	0.511914
27	Strontium,7440-24-6	0	0.0200193	0.00378038	0.0171255
28	Thallium,7440-28-0	-0.0085566	-0.00103096	0.135441	0.0703564
29	Tin,7440-31-5	0.015434	-0.0254588	-0.0626989	0.0193556
30	Titanium,7440-32-6	0	0	0.0239206	0.0505909
31	Vanadium,7440-62-2	0.00269164	0.00243684	0.02231	0.0667449
34	Zinc,7440-66-6	0.00291772	0.00141871	-0.017658	1.43559
35	Zirconium,7440-67-7	0	-0.012626	-0.0120738	0.058914

001414

035502

IEC File Name: 2060930 IEC

IEC File Last Saved: 10/3/2006 9:45:00 AM
Printed On: 10/3/2006 10:06:31 AM

Results Data Set Name: 2060930 LI
Method Name: ICP
Results Library: C:\pe\met\Results\Results.md

Interfering Analytes

	Analytes	Iron,7439-89-6	Magnesium,7439-95-4	Manganese, 7439-96-5	Nickel,7440-02-0
1	Aluminum,7429-90-5	-0.0168323	-0.0107187	0.940014	-0.307813
2	Antimony,7440-36-0	-0.0440037	0.00272823	-0.0192349	0.0988778
5	Arsenic,7440-38-2	-0.0572726	-0.0102287	-0.791101	-1.16195
6	Barium,7440-39-3	0.0272567	0.00384443	0.0284645	0.0284466
7	Beryllium,7440-41-7	-0.00270266	0	0.0353757	0.00651773
8	Boron,7440-42-8	-0.573442	0.00560463	-0.0593943	-0.0235196
9	Cadmium,7440-43-9	0.0443643	0	0.113423	0.0908672
10	Calcium,7440-70-2	0.0213911	0.0814577	0.213246	0.633616
11	Chromium,7440-47-3	-0.0162917	0.0558035	0.711363	0.00518611
12	Cobalt,7440-48-4	0.0242552	-0.00148861	0.0684033	0.234222
13	Copper,7440-50-8	0.299118	0.0154594	1.92456	0.0932371
14	Iron,7439-89-6	n/a	0	-0.225323	0.501675
15	Lead,7439-92-1	0.084291	0.00691043	0.182745	0.370841
16	Lithium,7439-93-2	-0.00382489	-0.00344677	-0.0396079	-0.0387718
17	Magnesium,7439-95-4	-0.511612	n/a	1.81189	0.808877
18	Manganese, 7439-96-5	0	0.00159827	n/a	0.254651
19	Molybdenum,7439-98-7	-0.00802522	0	-0.0921051	0.00218296
20	Nickel,7440-02-0	0.0393163	0	0.167351	n/a
21	Potassium,7440-09-7	0.229114	0.0293108	-0.592023	0.119972
23	Selenium,7782-49-2	-0.630132	0.0249432	1.08411	0.171959
24	Silicon,7440-21-3	-0.120942	0.494811	0.551341	0.0156597
25	Silver,7440-22-4	-0.36799	0	0.215843	-0.00520114
26	Sodium,7440-23-5	0.0146886	0.0408603	0.912447	-0.0503849
27	Strontium,7440-24-6	0.00199751	0	0.0261758	0.0027394
28	Thallium,7440-28-0	-0.0299008	0.00365666	-0.999149	-0.0246583
29	Tin,7440-31-5	0.00201836	-0.0074835	-0.0645908	-0.0850552
30	Titanium,7440-32-6	0.00217702	0	0.0352436	0.0144968
31	Vanadium,7440-62-2	0.076771	-0.0412938	0.106605	-0.0198061
34	Zinc,7440-66-6	0.0936662	0.0172101	0.164499	6.0299
35	Zirconium,7440-67-7	0	0	0.119202	-0.0300892

001415

035503

IEC File Name: 2060930 IEC

IEC File Last Saved: 10/3/2006 9:45:00 AM
Printed On: 10/3/2006 10:06:31 AM

Results Data Set Name: 2060930 LI
Method Name: ICP
Results Library: C:\pe\met\Results\Results.md

	Analytes	Interfering Analytes: Titanium,7440-32-6	Interfering Analytes: Vanadium,7440-62-2
1	Aluminum,7429-90-5	0.938277	-7.7113
2	Antimony,7440-36-0	0.274853	0.0867431
5	Arsenic,7440-38-2	-0.109546	-23.6707
6	Barium,7440-39-3	0.00927494	0.727107
7	Beryllium,7440-41-7	0.299769	0.0373432
8	Boron,7440-42-8	-0.00875422	-0.742118
9	Cadmium,7440-43-9	-0.0517167	-0.0379903
10	Calcium,7440-70-2	2.85037	0.0603613
11	Chromium,7440-47-3	0.114972	-5.29264
12	Cobalt,7440-48-4	2.02865	0.0788269
13	Copper,7440-50-8	0.042426	-0.0987856
14	Iron,7439-89-6	0.360384	0.388802
15	Lead,7439-92-1	-0.168092	0.0344941
16	Lithium,7439-93-2	-0.059108	-0.00519906
17	Magnesium,7439-95-4	-2.20965	0.370583
18	Manganese, 7439-96-5	0.477255	-0.0334895
19	Molybdenum,7439-98-7	0.04839	0.104233
20	Nickel,7440-02-0	0.712071	0.11915
21	Potassium,7440-09-7	0.766957	0.519669
23	Selenium,7782-49-2	0.0947477	0.173026
24	Silicon,7440-21-3	0	0.387459
25	Silver,7440-22-4	-0.111278	-12.9049
26	Sodium,7440-23-5	0.325064	0.0278988
27	Strontium,7440-24-6	0.00453146	0.00300777
28	Thallium,7440-28-0	-4.6658	-0.660814
29	Tin,7440-31-5	0.0746212	-0.0506684
30	Titanium,7440-32-6	n/a	0.0553628
31	Vanadium,7440-62-2	-0.0367165	n/a
34	Zinc,7440-66-6	-0.210038	-0.062102
35	Zirconium,7440-67-7	1.12038	-0.0229731

001416

035504

ICP LINEAR RANGES

Lab Name: GCAL
Sample ID:
Lab Code: LA024
SDG No.: 206120728
Study Date: 09/30/06
Instrument ID: ICP6

Analyte	*Concentration*	*% Recovery*	*Units*	*Type*
Aluminum	60000	101	mg/kg	P
Antimony	1600	96	mg/kg	P
Arsenic	1000	99	mg/kg	P
Barium	1000	99	mg/kg	P
Beryllium	200	102	mg/kg	P
Boron	2000	100	mg/kg	P
Cadmium	1000	95	mg/kg	P
Calcium	80000	99	mg/kg	P
Chromium	4800	95	mg/kg	P
Cobalt	6000	95	mg/kg	P
Copper	4000	98	mg/kg	P
Iron	32000	105	mg/kg	P
Lead	20000	96	mg/kg	P
Lithium	800	106	mg/kg	P
Magnesium	32000	103	mg/kg	P
Manganese	1400	95	mg/kg	P
Molybdenum	4000	94	mg/kg	P
Nickel	2000	99	mg/kg	P
Potassium	6000	100	mg/kg	P
Selenium	600	96	mg/kg	P
Silver	600	96	mg/kg	P
Sodium	24000	95	mg/kg	P
Thallium	800	98	mg/kg	P
Tin	2000	90	mg/kg	P
Titanium	1600	99	mg/kg	P
Vanadium	4000	98	mg/kg	P
Zinc	600	99	mg/kg	P

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Method: SW-846 6010B Method Type: P

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
2WSED1-001 (0-0.5)	12/07/06	1.25	g	50	mL
2WSED1-001 (0-0.5) MS	12/07/06	1.25	g	50	mL
2WSED1-001 (0-0.5) MSD	12/07/06	1.25	g	50	mL
2WSED10-010 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED11-011 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED12-012 (0-0.5)	12/07/06	1.25	g	50	mL
2WSED13-013 (0-0.5)	12/07/06	1.25	g	50	mL
2WSED14-014 (0-0.5)	12/07/06	1.25	g	50	mL
2WSED15-015 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED16-016 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED17-017 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED2-002 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED3-003 (0-0.5)	12/07/06	1.25	g	50	mL
2WSED3-003 (0-0.5)D	12/07/06	1.25	g	50	mL
2WSED4-004 (0-0.5)	12/07/06	1.25	g	50	mL
2WSED5-005 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED6-006 (0-0.5)	12/07/06	1.25	g	50	mL
2WSED7-007 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED8-008 (0-0.5)	12/07/06	1.26	g	50	mL
2WSED9-009 (0-0.5)	12/07/06	1.25	g	50	mL
LCS436545	12/07/06	1.25	g	50	mL
MB436544	12/07/06	1.25	g	50	mL

PREPARATION LOG

Lab Name: GCAL Sample ID:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728

Method: SW-846 7471A Method Type: AV

EPA Sample No.	Preparation Date	Weight	Units	Volume	Units
2WSED1-001 (0-0.5)	12/07/06	0.6	g	30	mL
2WSED1-001 (0-0.5) MS	12/07/06	0.6	g	30	mL
2WSED1-001 (0-0.5) MSD	12/07/06	0.6	g	30	mL
2WSED10-010 (0-0.5)	12/07/06	0.6	g	30	mL
2WSED11-011 (0-0.5)	12/07/06	0.61	g	30	mL
2WSED12-012 (0-0.5)	12/07/06	0.61	g	30	mL
2WSED13-013 (0-0.5)	12/07/06	0.61	g	30	mL
2WSED14-014 (0-0.5)	12/07/06	0.6	g	30	mL
2WSED15-015 (0-0.5)	12/07/06	0.6	g	30	mL
2WSED16-016 (0-0.5)	12/07/06	0.61	g	30	mL
2WSED17-017 (0-0.5)	12/07/06	0.6	g	30	mL
2WSED2-002 (0-0.5)	12/07/06	0.6	g	30	mL
2WSED3-003 (0-0.5)	12/07/06	0.6	g	30	mL
2WSED3-003 (0-0.5)D	12/07/06	0.6	g	30	mL
2WSED4-004 (0-0.5)	12/07/06	0.6	g	30	mL
2WSED5-005 (0-0.5)	12/07/06	0.61	g	30	mL
2WSED6-006 (0-0.5)	12/07/06	0.61	g	30	mL
2WSED7-007 (0-0.5)	12/07/06	0.61	g	30	mL
2WSED8-008 (0-0.5)	12/07/06	0.61	g	30	mL
2WSED9-009 (0-0.5)	12/07/06	0.6	g	30	mL
LCS436547	12/07/06	0.6	g	30	mL
MB436546	12/07/06	0.6	g	30	mL

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728 End Date: 12/08/06

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	1130	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	1136																																
ICB	*	1	1142	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	1158	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	1204	X	X				X			X	X	X	X	X			X		X	X		X						X	X		X	
ICSA	*	1	1216	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	1223	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	1229	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	1236	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	1310	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	1316	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1323																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1329																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1336																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1343																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1349																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1356																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1402																															
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1409																															
CCV	*	1	1428	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	1434	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
MB436544	*	1	1441	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
LCS436545	*	1	1448	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED1-001 (0-0.5)	*	1	1454	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED1-001 (0-0.5) MS	*	1	1501	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED1-001 (0-0.5) MSD	*	1	1507	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SWSED1-001 (0-0.5)PDS	*	1	1513	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	

001420

FORM XIV - IN

035508

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728 End Date: 12/08/06

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	1130	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	1136																																
ICB	*	1	1142	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	1158	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	1204	X	X				X			X	X	X	X	X			X		X	X		X						X	X		X	
ICSA	*	1	1216	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	1223	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	1229	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	1236	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	1310	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	1316	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1323																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1329																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1336																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1343																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1349																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1356																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		5	1402																																
ZZZZZZZZZZZZZZZZZZZZZZZZZZ		1	1409																																
CCV	*	1	1428	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	1434	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
MB436544	*	1	1441	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
LCS436545	*	1	1448	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED1-001 (0-0.5)	*	1	1454	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED1-001 (0-0.5) MS	*	1	1501	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED1-001 (0-0.5) MSD	*	1	1507	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
SWSED1-001 (0-0.5)PDS	*	1	1513	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

001121

035509

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728 End Date: 12/08/06

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
SWSED1-001 (0-0.5)SD	*	5	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	
2WSED8-008 (0-0.5)	*	1	1525	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED16-016 (0-0.5)	*	1	1530	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED2-002 (0-0.5)	*	1	1536	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	1542	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	1548	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED5-005 (0-0.5)	*	1	1555	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED6-006 (0-0.5)	*	1	1601	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED9-009 (0-0.5)	*	1	1606	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED10-010 (0-0.5)	*	1	1612	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED11-011 (0-0.5)	*	1	1619	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED12-012 (0-0.5)	*	1	1625	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED3-003 (0-0.5)	*	1	1632	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED3-003 (0-0.5)D	*	1	1637	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED4-004 (0-0.5)	*	1	1643	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED15-015 (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	1655	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	1704	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED7-007 (0-0.5)	*	1	1710	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED13-013 (0-0.5)	*	1	1717	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED14-014 (0-0.5)	*	1	1722	X	X	X	X	X	X	X		X	X	X	X	X	X		X		X	X		X		X		X	X	X	X	X	X	
2WSED17-017 (0-0.5)	*	1	1728	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	1814	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	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	

001322

FORM XIV - IN

035510

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728 End Date: 12/08/06

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
ICV	*	1	1138																	X														
ICB	*	1	1139																	X														
CCV	*	1	1141																	X														
CCB	*	1	1143																	X														
MB436546	*	1	1144																	X														
LCS436547	*	1	1146																	X														
2WSED1-001 (0-0.5)	*	1	1147																	X														
2WSED1-001 (0-0.5) MS	*	1	1149																	X														
2WSED1-001 (0-0.5) MSD	*	1	1151																	X														
SWSED1-001 (0-0.5)SD	*	5	1152																	X														
2WSED8-008 (0-0.5)	*	1	1154																	X														
2WSED16-016 (0-0.5)	*	1	1156																	X														
2WSED2-002 (0-0.5)	*	1	1157																	X														
2WSED5-005 (0-0.5)	*	1	1159																	X														
CCV	*	1	1201																	X														
CCB	*	1	1202																	X														
2WSED6-006 (0-0.5)	*	1	1204																	X														
2WSED9-009 (0-0.5)	*	1	1205																	X														
2WSED10-010 (0-0.5)	*	1	1207																	X														
2WSED11-011 (0-0.5)	*	1	1209																	X														
2WSED12-012 (0-0.5)	*	1	1211																	X														
2WSED3-003 (0-0.5)	*	1	1212																	X														
2WSED3-003 (0-0.5)D	*	1	1214																	X														
2WSED4-004 (0-0.5)	*	1	1215																	X														
2WSED15-015 (0-0.5)	*	1	1217																	X														
2WSED7-007 (0-0.5)	*	1	1219																	X														
CCV	*	1	1220																	X														

001423

FORM XIV - IN

035511

ANALYSIS RUN LOG

Lab Name: GCAL Contract: Start Date: 12/08/06

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206120728 End Date: 12/08/06

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
CCB	*	1	1222																	X														
2WSED13-013 (0-0.5)	*	1	1223																	X														
2WSED14-014 (0-0.5)	*	1	1225																	X														
2WSED17-017 (0-0.5)	*	1	1227																	X														
CCV	*	1	1228																	X														
CCB	*	1	1230																	X														

001424

035512

ICP ANALYSIS

ICP6

ANALYST: CLB
DATE: 12/8/2006
TIME: 11:12

AS#	SAMPLE ID		
1	CALIBRATION BLANK		
2	STANDARD 1	163-48-6	
~~11~~	ICV-1600	163-48-5	
~~12~~	ICV2-1601F:Si	163-49-4	
~~4~~	ICB-1700		
~~3~~	CRDL-2300	163-49-5	
~~4~~	CRDL-2301F:Mg	163-49-3	
~~5~~	ICSA-2000	163-47-2	
~~6~~	ICSAB-2100F:Si	163-46-1	
~~7~~	CCV-1800	ICCV1806	
~~4~~	CCB-1900	ICCB1900	
17	436716	MB for HBN 338411 W	
18	436717	LCS for HBN 338411 W	
19	--- 4514 ---	20612075401	
20	436718	20612075401 DUP	
21	436719	20612075401 MS	
22	436834	20612075401 PDS	
23	436835	20612075401 SD	5 X
24		20612071901	
25		---	
26		---	
~~5~~	CCV-1800		
~~1~~	CCB-1900		
27	436544	MB for HBN 338389 S	
28	436545	LCS for HBN 338389 S	
29	--- 4482 ---	IV 20612072801	
30		IV 20612072804 MS	
31		IV 20612072805 MSD	
32	436799	IV 20612072801 PDS	
33	436800	IV 20612072801 SD	5 X
34		IV 20612072802	
35		IV 20612072803	
36		IV 20612072806	
~~5~~	CCV-1800		
~~1~~	CCB-1900		
37		IV 20612072807	
38		IV 20612072808	
39		IV 20612072809	
40		IV 20612072810	
41		IV 20612072811	
42		IV 20612072812	
43		IV 20612072813	
44	~~436556~~	IV 20612072814 ~~ELDDUP~~ CLB 12/8/06	
45		IV 20612072815	
46		IV 20612072816	

AS#	SAMPLE ID		Dilution
5	CCV-1800		
1	CCB-1900		
47		IV 20612072817	
48		IV 20612072818	
49		IV 20612072819	
50		IV 20612072820	
51		---	
52		---	
53		---	
54		---	
55		---	
56		---	
5	CCV-1800		
1	CCB-1900		
57	436789	MB for HBN 338436 S	
58	436790	LCS for HBN 338436 S	
59	--- 2554 ---	20612074801 RRQ2xBA	
60	436791	20612074801 DUP	
61	436792	20612074801 MS	
62	437046	20612074801 PDS	
63	437047	20612074801 SD	5 X
64		20612074802	
65		---	
66		---	
5	CCV-1800		
1	CCB-1900		
67			
68			
69			
70			
71			
72			
73			
74			
75			
76			
5	CCV-1800		
1	CCB-1900		

ANALYST QC REV: CLB
SECONDARY REV: RBM

QC CONTROL LIMITS:
ICV (200.7) 95-105%
ICV (6010B) 90-110%
ICSAB 80-120%
CCV 90-110%

COMMENTS: 4028, 338456

QC: all acceptable qc noted with a checkmark; failures as indicated.

001425

035513

Reprocessing Begun
Logged In Analyst: met Technique: ICP Continuous

Results Data Set (original): 2061208 B
Results Library (original): C:\pe\met\Results\Results.mdb
Results Data Set (reprocessed): 4028 A
Results Library (reprocessed): C:\pe\met\Results\Results.mdb

Method Loaded
Method Name: ICP6 Method Last Saved: 12/9/2006 8:49:00 AM
IEC File: 2060930 IEC.iec MSF File:
Method Description:

Analyte	Calibration Equation	Processing	View	Internal Standard	IEC
Aluminum,7429-90-5	Lin, Calc Int	Peak Area	Radial	None	Yes
Antimony,7440-36-0	Lin, Calc Int	Peak Area	Axial	None	Yes
Ar 363.268 A	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Ar 420.067 R	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Arsenic,7440-38-2	Lin, Calc Int	Peak Area	Axial	None	Yes
Barium,7440-39-3	Lin, Calc Int	Peak Area	Axial	None	Yes
Beryllium,7440-41-7	Lin, Calc Int	Peak Area	Axial	None	Yes
Boron,7440-42-8	Lin, Calc Int	Peak Area	Axial	None	Yes
Cadmium,7440-43-9	Lin, Calc Int	Peak Area	Axial	None	Yes
Calcium,7440-70-2	Lin, Calc Int	Peak Area	Radial	None	Yes
Cerium,	Lin, Calc Int	Peak Area	Axial	None	No
Chromium,7440-47-3	Lin, Calc Int	Peak Area	Axial	None	Yes
Cobalt,7440-48-4	Lin, Calc Int	Peak Area	Axial	None	Yes
Copper,7440-50-8	Lin, Calc Int	Peak Area	Axial	None	Yes
Iron,7439-89-6	Lin, Calc Int	Peak Area	Radial	None	Yes
Lead,7439-92-1	Lin, Calc Int	Peak Area	Axial	None	Yes
Lithium,7439-93-2	Lin, Calc Int	Peak Area	Radial	None	Yes
Magnesium,7439-95-4	Lin, Calc Int	Peak Area	Radial	None	Yes
Manganese, 7439-96-5	Lin, Calc Int	Peak Area	Axial	None	Yes
Molybdenum,7439-98-7	Lin, Calc Int	Peak Area	Axial	None	Yes
Nickel,7440-02-0	Lin, Calc Int	Peak Area	Axial	None	Yes
Phosphorus,7723-14-0	Lin, Calc Int	Peak Area	Axial	None	No
Potassium,7440-09-7	Lin, Calc Int	Peak Area	Radial	None	Yes
Scandium-IS	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Selenium,7782-49-2	Lin, Calc Int	Peak Area	Axial	None	Yes
Silicon,7440-21-3	Lin, Calc Int	Peak Area	Radial	None	Yes
Silver,7440-22-4	Lin, Calc Int	Peak Area	Axial	None	Yes
Sodium,7440-23-5	Lin, Calc Int	Peak Area	Radial	None	Yes
Strontium,7440-24-6	Lin, Calc Int	Peak Area	Radial	None	Yes
Thallium,7440-28-0	Lin, Calc Int	Peak Area	Axial	None	Yes
Tin,7440-31-5	Lin, Calc Int	Peak Area	Axial	None	Yes
Titanium,7440-32-6	Lin, Calc Int	Peak Area	Axial	None	Yes
Vanadium,7440-62-2	Lin, Calc Int	Peak Area	Axial	None	Yes
Yttrium,7440-65-5A	Lin, Calc Int	Peak Area	Axial	n/a	n/a
Yttrium,7440-65-5R	Lin, Calc Int	Peak Area	Radial	n/a	n/a
Zinc,7440-66-6	Lin, Calc Int	Peak Area	Axial	None	Yes
Zirconium,7440-67-7	Lin, Calc Int	Peak Area	Axial	None	Yes

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calib Blank 1 Date Collected: 12/8/2006 11:12:26 AM
Analyst: Data Type: Reprocessed on 12/9/2006 9:16:43 AM
Logged In Analyst (Original) : met
Initial Sample Wt: Initial Sample Vol:
Dilution: Sample Prep Vol:

Mean Data: Calib Blank 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ar 363.268 A	87190.8	74.20	0.09%	100.00	%
Ar 420.067 R	991413.5	1456.64	0.15%	100.00	%
Scandium-IS	3235693.8	33983.80	1.05%	100.00	%
Yttrium,7440-65-5A	1680088.4	19416.84	1.16%	100.00	%

Yttrium,7440-65-5R	47808.3	400.71	0.84%	100.00	%
Aluminum,7429-90-5	26.9	3.50	13.02%	[0.00]	mg/L
Antimony,7440-36-0	193.5	6.47	3.34%	[0.00]	mg/L
Arsenic,7440-38-2	-69.2	3.45	4.98%	[0.00]	mg/L
Barium,7440-39-3	172.5	18.72	10.86%	[0.00]	mg/L
Beryllium,7440-41-7	478.1	50.00	10.46%	[0.00]	mg/L
Boron,7440-42-8	179.8	13.38	7.44%	[0.00]	mg/L
Cadmium,7440-43-9	681.0	11.74	1.72%	[0.00]	mg/L
Calcium,7440-70-2	6.4	5.49	86.51%	[0.00]	mg/L
Chromium,7440-47-3	1104.2	31.29	2.83%	[0.00]	mg/L
Cobalt,7440-48-4	-460.1	12.12	2.63%	[0.00]	mg/L
Copper,7440-50-8	11017.7	65.86	0.60%	[0.00]	mg/L
Iron,7439-89-6	5.2	0.90	17.22%	[0.00]	mg/L
Lead,7439-92-1	-50.9	2.06	4.04%	[0.00]	mg/L
Lithium,7439-93-2	418.1	39.14	9.36%	[0.00]	mg/L
Magnesium,7439-95-4	6.9	1.54	22.39%	[0.00]	mg/L
Manganese, 7439-96-5	311.4	6.28	2.02%	[0.00]	mg/L
Molybdenum,7439-98-7	-89.0	10.57	11.87%	[0.00]	mg/L
Nickel,7440-02-0	202.1	14.93	7.39%	[0.00]	mg/L
Potassium,7440-09-7	-507.9	59.47	11.71%	[0.00]	mg/L
Selenium,7782-49-2	-45.7	6.32	13.83%	[0.00]	mg/L
Silicon,7440-21-3	-40.2	1.47	3.65%	[0.00]	mg/L
Silver,7440-22-4	-165.0	80.31	48.68%	[0.00]	mg/L
Sodium,7440-23-5	510.1	29.83	5.85%	[0.00]	mg/L
Strontium,7440-24-6	468.5	24.78	5.29%	[0.00]	mg/L
Thallium,7440-28-0	-123.0	12.74	10.36%	[0.00]	mg/L
Tin,7440-31-5	90.2	9.13	10.12%	[0.00]	mg/L
Titanium,7440-32-6	-893.8	59.43	6.65%	[0.00]	mg/L
Vanadium,7440-62-2	4451.1	41.27	0.93%	[0.00]	mg/L
Zinc,7440-66-6	466.8	12.67	2.71%	[0.00]	mg/L
Zirconium,7440-67-7	1303.9	84.90	6.51%	[0.00]	mg/L

Sequence No.: 2 **Autosampler Location: 2**
Sample ID: Calib Std 1 **Date Collected: 12/8/2006 11:18:58 AM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:16:45 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: Calib Std 1

Analyte	Mean Corrected Intensity	Std.Dev.	RSD	Conc.	Calib Units
Ar 363.268 A	85795.0	75.13	0.09%	98.399	%
Ar 420.067 R	985564.8	1979.42	0.20%	99.410	%
Scandium-IS	3175247.5	11265.30	0.35%	98.132	%
Yttrium,7440-65-5A	1637061.9	5554.40	0.34%	97.439	%
Yttrium,7440-65-5R	47327.6	509.07	1.08%	98.995	%
Aluminum,7429-90-5	2327.7	16.09	0.69%	[10.00000]	mg/L
Antimony,7440-36-0	6533.0	35.89	0.55%	[1.000000]	mg/L
Arsenic,7440-38-2	3772.7	34.53	0.92%	[1.000000]	mg/L
Barium,7440-39-3	211867.5	437.07	0.21%	[1.000000]	mg/L
Beryllium,7440-41-7	4356404.1	9062.92	0.21%	[1.000000]	mg/L
Boron,7440-42-8	312378.6	1415.44	0.45%	[5.00]	mg/L
Cadmium,7440-43-9	279087.8	433.74	0.16%	[1.000000]	mg/L
Calcium,7440-70-2	6446.2	60.49	0.94%	[10.00000]	mg/L
Chromium,7440-47-3	165748.2	529.00	0.32%	[1.000000]	mg/L
Cobalt,7440-48-4	62285.9	295.36	0.47%	[1.000000]	mg/L
Copper,7440-50-8	392985.8	916.60	0.23%	[1.000000]	mg/L
Iron,7439-89-6	5404.4	41.71	0.77%	[10.00000]	mg/L
Lead,7439-92-1	12628.5	67.07	0.53%	[1.000000]	mg/L
Lithium,7439-93-2	49486.9	262.28	0.53%	[1.00]	mg/L
Magnesium,7439-95-4	1035.3	10.40	1.00%	[10.00000]	mg/L
Manganese, 7439-96-5	853236.8	2163.17	0.25%	[1.000000]	mg/L
Molybdenum,7439-98-7	33125.1	140.82	0.43%	[1.00]	mg/L
Nickel,7440-02-0	61225.1	345.22	0.56%	[1.000000]	mg/L
Potassium,7440-09-7	35889.7	301.15	0.84%	[20.00000]	mg/L
Selenium,7782-49-2	1933.9	14.54	0.75%	[1.000000]	mg/L
Silicon,7440-21-3	294.7	1.75	0.60%	[1.0]	mg/L
Silver,7440-22-4	317855.3	747.82	0.24%	[1.000000]	mg/L

Sodium,7440-23-5	195923.9	1409.45	0.72%	[40.00000]	mg/L
Strontium,7440-24-6	339608.5	2604.16	0.77%	[1.00]	mg/L
Thallium,7440-28-0	7045.9	48.15	0.68%	[1.000000]	mg/L
Tin,7440-31-5	10716.7	44.75	0.42%	[1.00]	mg/L
Titanium,7440-32-6	587268.8	1154.33	0.20%	[1.000000]	mg/L
Vanadium,7440-62-2	127410.4	369.69	0.29%	[1.000000]	mg/L
Zinc,7440-66-6	197489.5	201.27	0.10%	[1.000000]	mg/L
Zirconium,7440-67-7	487209.0	1087.25	0.22%	[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	232.8	0.00000	1.000000	
Antimony,7440-36-0	1	Lin, Calc Int	0.0	6533	0.00000	1.000000	
Arsenic,7440-38-2	1	Lin, Calc Int	0.0	3773	0.00000	1.000000	
Barium,7440-39-3	1	Lin, Calc Int	0.0	211900	0.00000	1.000000	
Beryllium,7440-41-7	1	Lin, Calc Int	0.0	4356000	0.00000	1.000000	
Boron,7440-42-8	1	Lin, Calc Int	0.0	62480	0.00000	1.000000	
Cadmium,7440-43-9	1	Lin, Calc Int	0.0	279100	0.00000	1.000000	
Calcium,7440-70-2	1	Lin, Calc Int	0.0	644.6	0.00000	1.000000	
Chromium,7440-47-3	1	Lin, Calc Int	0.0	165700	0.00000	1.000000	
Cobalt,7440-48-4	1	Lin, Calc Int	0.0	62290	0.00000	1.000000	
Copper,7440-50-8	1	Lin, Calc Int	0.0	393000	0.00000	1.000000	
Iron,7439-89-6	1	Lin, Calc Int	0.0	540.4	0.00000	1.000000	
Lead,7439-92-1	1	Lin, Calc Int	0.0	12630	0.00000	1.000000	
Lithium,7439-93-2	1	Lin, Calc Int	0.0	49490	0.00000	1.000000	
Magnesium,7439-95-4	1	Lin, Calc Int	0.0	103.5	0.00000	1.000000	
Manganese, 7439-96-5	1	Lin, Calc Int	0.0	853200	0.00000	1.000000	
Molybdenum,7439-98-7	1	Lin, Calc Int	0.0	33130	0.00000	1.000000	
Nickel,7440-02-0	1	Lin, Calc Int	0.0	61230	0.00000	1.000000	
Potassium,7440-09-7	1	Lin, Calc Int	0.0	1794	0.00000	1.000000	
Selenium,7782-49-2	1	Lin, Calc Int	0.0	1934	0.00000	1.000000	
Silicon,7440-21-3	1	Lin, Calc Int	0.0	294.7	0.00000	1.000000	
Silver,7440-22-4	1	Lin, Calc Int	0.0	317900	0.00000	1.000000	
Sodium,7440-23-5	1	Lin, Calc Int	0.0	4898	0.00000	1.000000	
Strontium,7440-24-6	1	Lin, Calc Int	0.0	339600	0.00000	1.000000	
Thallium,7440-28-0	1	Lin, Calc Int	0.0	7046	0.00000	1.000000	
Tin,7440-31-5	1	Lin, Calc Int	0.0	10720	0.00000	1.000000	
Titanium,7440-32-6	1	Lin, Calc Int	0.0	587300	0.00000	1.000000	
Vanadium,7440-62-2	1	Lin, Calc Int	0.0	127400	0.00000	1.000000	
Zinc,7440-66-6	1	Lin, Calc Int	0.0	197500	0.00000	1.000000	
Zirconium,7440-67-7	1	Lin, Calc Int	0.0	487200	0.00000	1.000000	

Sequence No.: 3
Sample ID: 1600
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 11
Date Collected: 12/8/2006 11:25:07 AM
Data Type: Reprocessed on 12/9/2006 9:16:48 AM
Initial Sample Vol:
Sample Prep Vol:

12/9/06 AB
CLB 12/8/06

Mean Data: 1600

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	85970.1	98.600	%	0.0147				0.01%
Ar 420.067 R	983595.1	99.211	%	0.0961				0.10%
Scandium-IS	3209991.5	99.206	%	0.2888				0.29%
Yttrium,7440-65-5A	1662036.4	98.926	%	0.3096				0.31%
Yttrium,7440-65-5R	47580.6	99.524	%	0.4907				0.49%
Aluminum,7429-90-5	2274.2	9.776	mg/L	0.0518	9.776	mg/L	0.0518	0.53%
QC value within limits for Aluminum,7429-90-5 Recovery = 97.76%								
Antimony,7440-36-0	6138.5	0.9268	mg/L	0.01058	0.9268	mg/L	0.01058	1.14%
QC value within limits for Antimony,7440-36-0 Recovery = 92.68%								
Arsenic,7440-38-2	3249.2	0.8889	mg/L	0.01102	0.8889	mg/L	0.01102	1.24%
QC value less than the lower limit for Arsenic,7440-38-2 Recovery = 88.89%								
Barium,7440-39-3	209768.0	0.9887	mg/L	0.00425	0.9887	mg/L	0.00425	0.43%
QC value within limits for Barium,7440-39-3 Recovery = 98.87%								
Beryllium,7440-41-7	4253974.9	0.9758	mg/L	0.00321	0.9758	mg/L	0.00321	0.33%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.58%								

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Boron,7440-42-8	317050.9	5.0805 mg/L	0.01341	5.0805 mg/L	0.01341	0.26%
QC value within limits for Boron,7440-42-8 Recovery = 101.61%						
Cadmium,7440-43-9	269974.9	0.9657 mg/L	0.00487	0.9657 mg/L	0.00487	0.50%
QC value within limits for Cadmium,7440-43-9 Recovery = 96.57%						
Calcium,7440-70-2	6362.2	9.865 mg/L	0.0541	9.865 mg/L	0.0541	0.55%
QC value within limits for Calcium,7440-70-2 Recovery = 98.65%						
Chromium,7440-47-3	160331.8	0.9696 mg/L	0.00331	0.9696 mg/L	0.00331	0.34%
QC value within limits for Chromium,7440-47-3 Recovery = 96.96%						
Cobalt,7440-48-4	59728.6	0.9545 mg/L	0.00552	0.9545 mg/L	0.00552	0.58%
QC value within limits for Cobalt,7440-48-4 Recovery = 95.45%						
Copper,7440-50-8	376221.4	0.9515 mg/L	0.00303	0.9515 mg/L	0.00303	0.32%
QC value within limits for Copper,7440-50-8 Recovery = 95.15%						
Iron,7439-89-6	5388.0	9.9672 mg/L	0.06854	9.9672 mg/L	0.06854	0.69%
QC value within limits for Iron,7439-89-6 Recovery = 99.67%						
Lead,7439-92-1	12374.9	0.9786 mg/L	0.00546	0.9786 mg/L	0.00546	0.56%
QC value within limits for Lead,7439-92-1 Recovery = 97.86%						
Lithium,7439-93-2	48702.9	0.9844 mg/L	0.00375	0.9844 mg/L	0.00375	0.38%
QC value within limits for Lithium,7439-93-2 Recovery = 98.44%						
Magnesium,7439-95-4	1028.2	9.9349 mg/L	0.07542	9.9349 mg/L	0.07542	0.76%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.35%						
Manganese, 7439-96-5	823291.0	0.964 mg/L	0.0031	0.964 mg/L	0.0031	0.32%
QC value within limits for Manganese, 7439-96-5 Recovery = 96.42%						
Molybdenum,7439-98-7	31822.0	0.9605 mg/L	0.00474	0.9605 mg/L	0.00474	0.49%
QC value within limits for Molybdenum,7439-98-7 Recovery = 96.05%						
Nickel,7440-02-0	59566.8	0.9714 mg/L	0.00536	0.9714 mg/L	0.00536	0.55%
QC value within limits for Nickel,7440-02-0 Recovery = 97.14%						
Potassium,7440-09-7	17969.2	10.010 mg/L	0.0449	10.010 mg/L	0.0449	0.45%
QC value within limits for Potassium,7440-09-7 Recovery = 100.10%						
Selenium,7782-49-2	1901.0	0.9883 mg/L	0.01341	0.9883 mg/L	0.01341	1.36%
QC value within limits for Selenium,7782-49-2 Recovery = 98.83%						
Silicon,7440-21-3	12.6	0.0378 mg/L	0.00126	0.0378 mg/L	0.00126	3.34%
Silver,7440-22-4	318620.0	1.0183 mg/L	0.00320	1.0183 mg/L	0.00320	0.31%
QC value within limits for Silver,7440-22-4 Recovery = 101.83%						
Sodium,7440-23-5	48845.6	9.9682 mg/L	0.02843	9.9682 mg/L	0.02843	0.29%
QC value within limits for Sodium,7440-23-5 Recovery = 99.68%						
Strontium,7440-24-6	328636.3	0.9674 mg/L	0.00278	0.9674 mg/L	0.00278	0.29%
QC value within limits for Strontium,7440-24-6 Recovery = 96.74%						
Thallium,7440-28-0	6959.3	0.9941 mg/L	0.00930	0.9941 mg/L	0.00930	0.94%
QC value within limits for Thallium,7440-28-0 Recovery = 99.41%						
Tin,7440-31-5	10916.9	1.0190 mg/L	0.00751	1.0190 mg/L	0.00751	0.74%
QC value within limits for Tin,7440-31-5 Recovery = 101.90%						
Titanium,7440-32-6	576266.1	0.9811 mg/L	0.00336	0.9811 mg/L	0.00336	0.34%
QC value within limits for Titanium,7440-32-6 Recovery = 98.11%						
Vanadium,7440-62-2	123670.5	0.9701 mg/L	0.00289	0.9701 mg/L	0.00289	0.30%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.01%						
Zinc,7440-66-6	191565.6	0.9617 mg/L	0.00448	0.9617 mg/L	0.00448	0.47%
QC value within limits for Zinc,7440-66-6 Recovery = 96.17%						
Zirconium,7440-67-7	5647.8	0.0105 mg/L	0.00088	0.0105 mg/L	0.00088	8.42%

QC Failed. Continue with analysis.

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Sequence No.: 4 **Autosampler Location: 11**
Sample ID: 1600 **Date Collected: 12/8/2006 11:30:10 AM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:16:50 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1600

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	85959.5	98.588	%	0.1534				0.16%
Ar 420.067 R	984020.0	99.254	%	0.1424				0.14%
Scandium-IS	3208803.6	99.169	%	0.1440				0.15%
Yttrium,7440-65-5A	1660438.1	98.830	%	0.1486				0.15%
Yttrium,7440-65-5R	47640.6	99.649	%	0.5814				0.58%
Aluminum,7429-90-5	2288.3	9.837	mg/L	0.0289	9.837	mg/L	0.0289	0.29%
QC value within limits for Aluminum,7429-90-5 Recovery = 98.37%								
Antimony,7440-36-0	6185.9	0.9341	mg/L	0.00291	0.9341	mg/L	0.00291	0.31%
QC value within limits for Antimony,7440-36-0 Recovery = 93.41%								

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Arsenic,7440-38-2	3280.4	0.8971 mg/L	0.00456	0.8971 mg/L	0.00456	0.51%
QC value less than the lower limit for Arsenic,7440-38-2 Recovery = 89.71%						
Barium,7440-39-3	209634.3	0.9881 mg/L	0.00211	0.9881 mg/L	0.00211	0.21%
QC value within limits for Barium,7440-39-3 Recovery = 98.81%						
Beryllium,7440-41-7	4248464.7	0.9745 mg/L	0.00154	0.9745 mg/L	0.00154	0.16%
QC value within limits for Beryllium,7440-41-7 Recovery = 97.45%						
Boron,7440-42-8	317643.8	5.0900 mg/L	0.00977	5.0900 mg/L	0.00977	0.19%
QC value within limits for Boron,7440-42-8 Recovery = 101.80%						
Cadmium,7440-43-9	269832.3	0.9652 mg/L	0.00200	0.9652 mg/L	0.00200	0.21%
QC value within limits for Cadmium,7440-43-9 Recovery = 96.52%						
Calcium,7440-70-2	6375.9	9.886 mg/L	0.0972	9.886 mg/L	0.0972	0.98%
QC value within limits for Calcium,7440-70-2 Recovery = 98.86%						
Chromium,7440-47-3	159988.5	0.9675 mg/L	0.00257	0.9675 mg/L	0.00257	0.27%
QC value within limits for Chromium,7440-47-3 Recovery = 96.75%						
Cobalt,7440-48-4	59773.6	0.9553 mg/L	0.00113	0.9553 mg/L	0.00113	0.12%
QC value within limits for Cobalt,7440-48-4 Recovery = 95.53%						
Copper,7440-50-8	375692.0	0.9502 mg/L	0.00210	0.9502 mg/L	0.00210	0.22%
QC value within limits for Copper,7440-50-8 Recovery = 95.02%						
Iron,7439-89-6	5414.4	10.016 mg/L	0.0402	10.016 mg/L	0.0402	0.40%
QC value within limits for Iron,7439-89-6 Recovery = 100.16%						
Lead,7439-92-1	12404.2	0.9810 mg/L	0.00441	0.9810 mg/L	0.00441	0.45%
QC value within limits for Lead,7439-92-1 Recovery = 98.10%						
Lithium,7439-93-2	48623.8	0.9828 mg/L	0.00577	0.9828 mg/L	0.00577	0.59%
QC value within limits for Lithium,7439-93-2 Recovery = 98.28%						
Magnesium,7439-95-4	1038.7	10.036 mg/L	0.0365	10.036 mg/L	0.0365	0.36%
QC value within limits for Magnesium,7439-95-4 Recovery = 100.36%						
Manganese, 7439-96-5	822014.1	0.963 mg/L	0.0021	0.963 mg/L	0.0021	0.22%
QC value within limits for Manganese, 7439-96-5 Recovery = 96.27%						
Molybdenum,7439-98-7	31928.9	0.9638 mg/L	0.00289	0.9638 mg/L	0.00289	0.30%
QC value within limits for Molybdenum,7439-98-7 Recovery = 96.38%						
Nickel,7440-02-0	59643.1	0.9727 mg/L	0.00228	0.9727 mg/L	0.00228	0.23%
QC value within limits for Nickel,7440-02-0 Recovery = 97.27%						
Potassium,7440-09-7	18050.8	10.055 mg/L	0.0436	10.055 mg/L	0.0436	0.43%
QC value within limits for Potassium,7440-09-7 Recovery = 100.55%						
Selenium,7782-49-2	1908.0	0.9919 mg/L	0.00549	0.9919 mg/L	0.00549	0.55%
QC value within limits for Selenium,7782-49-2 Recovery = 99.19%						
Silicon,7440-21-3	11.4	0.0336 mg/L	0.00944	0.0336 mg/L	0.00944	28.10%
Silver,7440-22-4	318233.4	1.0170 mg/L	0.00189	1.0170 mg/L	0.00189	0.19%
QC value within limits for Silver,7440-22-4 Recovery = 101.70%						
Sodium,7440-23-5	48803.7	9.9596 mg/L	0.07636	9.9596 mg/L	0.07636	0.77%
QC value within limits for Sodium,7440-23-5 Recovery = 99.60%						
Strontium,7440-24-6	329775.4	0.9708 mg/L	0.00621	0.9708 mg/L	0.00621	0.64%
QC value within limits for Strontium,7440-24-6 Recovery = 97.08%						
Thallium,7440-28-0	6962.2	0.9945 mg/L	0.00654	0.9945 mg/L	0.00654	0.66%
QC value within limits for Thallium,7440-28-0 Recovery = 99.45%						
Tin,7440-31-5	10978.4	1.0247 mg/L	0.00279	1.0247 mg/L	0.00279	0.27%
QC value within limits for Tin,7440-31-5 Recovery = 102.47%						
Titanium,7440-32-6	575701.4	0.9801 mg/L	0.00158	0.9801 mg/L	0.00158	0.16%
QC value within limits for Titanium,7440-32-6 Recovery = 98.01%						
Vanadium,7440-62-2	123186.0	0.9663 mg/L	0.00309	0.9663 mg/L	0.00309	0.32%
QC value within limits for Vanadium,7440-62-2 Recovery = 96.63%						
Zinc,7440-66-6	191560.5	0.9617 mg/L	0.00199	0.9617 mg/L	0.00199	0.21%
QC value within limits for Zinc,7440-66-6 Recovery = 96.17%						
Zirconium,7440-67-7	2394.0	0.0038 mg/L	0.00018	0.0038 mg/L	0.00018	4.77%

QC passed CAL 12/9/06

QC Failed. Continue with analysis.

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Sequence No.: 5 **Autosampler Location: 12**
Sample ID: 1601 **Date Collected: 12/8/2006 11:36:19 AM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:16:52 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 1601

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	86882.4	99.646	%	0.1995				0.20%
Ar 420.067 R	989476.9	99.805	%	0.2347				0.24%
Scandium-IS	3230933.9	99.853	%	0.5018				0.50%

Yttrium,7440-65-5A	1669833.4	99.390	%	0.5640			0.57%
Yttrium,7440-65-5R	47761.1	99.901	%	0.7678			0.77%
Aluminum,7429-90-5	-1.4	-0.006	mg/L	0.0413	-0.006 mg/L	0.0413	680.72%
Antimony,7440-36-0	33.0	0.0051	mg/L	0.00208	0.0051 mg/L	0.00208	41.19%
Arsenic,7440-38-2	101.7	0.0270	mg/L	0.00020	0.0270 mg/L	0.00020	0.75%
Barium,7440-39-3	67.3	0.0003	mg/L	0.00005	0.0003 mg/L	0.00005	16.39%
Beryllium,7440-41-7	876.5	0.0002	mg/L	0.00002	0.0002 mg/L	0.00002	8.83%
Boron,7440-42-8	2309.5	0.0370	mg/L	0.00347	0.0370 mg/L	0.00347	9.39%
Cadmium,7440-43-9	-17.9	-0.0001	mg/L	0.00004	-0.0001 mg/L	0.00004	61.08%
Calcium,7440-70-2	13.5	0.021	mg/L	0.0016	0.021 mg/L	0.0016	7.65%
Chromium,7440-47-3	-85.4	-0.0005	mg/L	0.00020	-0.0005 mg/L	0.00020	38.68%
Cobalt,7440-48-4	12.9	0.0002	mg/L	0.00011	0.0002 mg/L	0.00011	55.35%
Copper,7440-50-8	244.5	0.0006	mg/L	0.00011	0.0006 mg/L	0.00011	17.28%
Iron,7439-89-6	2.3	0.0042	mg/L	0.00459	0.0042 mg/L	0.00459	109.63%
Lead,7439-92-1	-14.5	-0.0012	mg/L	0.00070	-0.0012 mg/L	0.00070	60.48%
Lithium,7439-93-2	46.2	0.0009	mg/L	0.00123	0.0009 mg/L	0.00123	132.34%
Magnesium,7439-95-4	-6.8	-0.0656	mg/L	0.02410	-0.0656 mg/L	0.02410	36.72%
Manganese, 7439-96-5	423.6	0.000	mg/L	0.0000	0.000 mg/L	0.0000	6.99%
Molybdenum,7439-98-7	68.1	0.0021	mg/L	0.00030	0.0021 mg/L	0.00030	14.62%
Nickel,7440-02-0	-5.4	-0.0001	mg/L	0.00028	-0.0001 mg/L	0.00028	320.79%
Potassium,7440-09-7	-1.7	-0.0009	mg/L	0.01961	-0.0009 mg/L	0.01961	>999.9%
Selenium,7782-49-2	5.0	0.0026	mg/L	0.00105	0.0026 mg/L	0.00105	40.65%
Silicon,7440-21-3	206.1	0.6994	mg/L	0.01263	0.6994 mg/L	0.01263	1.81%
QC value less than the lower limit for Silicon,7440-21-3 Recovery = 69.94%							
Silver,7440-22-4	2353.0	0.0074	mg/L	0.00012	0.0074 mg/L	0.00012	1.61%
Sodium,7440-23-5	85.2	0.0174	mg/L	0.00641	0.0174 mg/L	0.00641	36.85%
Strontium,7440-24-6	41.2	0.0001	mg/L	0.00014	0.0001 mg/L	0.00014	112.41%
Thallium,7440-28-0	9.2	0.0013	mg/L	0.00072	0.0013 mg/L	0.00072	55.31%
Tin,7440-31-5	89.4	0.0083	mg/L	0.00132	0.0083 mg/L	0.00132	15.86%
Titanium,7440-32-6	315.8	0.0005	mg/L	0.00005	0.0005 mg/L	0.00005	9.21%
Vanadium,7440-62-2	-38.1	-0.0003	mg/L	0.00025	-0.0003 mg/L	0.00025	83.57%
Zinc,7440-66-6	337.8	0.0017	mg/L	0.00005	0.0017 mg/L	0.00005	2.63%
Zirconium,7440-67-7	481886.0	0.9891	mg/L	0.00940	0.9891 mg/L	0.00940	0.95%
QC value within limits for Zirconium,7440-67-7 Recovery = 98.91%							

QC Failed. Continue with analysis.

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Sequence No.: 6 **Autosampler Location: 1**
Sample ID: 1700 **Date Collected: 12/8/2006 11:42:54 AM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:16:54 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
Ar 363.268 A	86335.3	99.019	%	0.2917				0.29%
Ar 420.067 R	986623.4	99.517	%	0.2352				0.24%
Scandium-IS	3185932.7	98.462	%	0.3300				0.34%
Yttrium,7440-65-5A	1654334.9	98.467	%	0.2977				0.30%
Yttrium,7440-65-5R	46570.1	97.410	%	0.4072				0.42%
Aluminum,7429-90-5	-4.5	-0.019	mg/L	0.0207	-0.019	mg/L	0.0207	108.38%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0	-6.0	-0.0009	mg/L	0.00047	-0.0009	mg/L	0.00047	51.20%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2	9.1	0.0024	mg/L	0.00023	0.0024	mg/L	0.00023	9.70%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3	11.8	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	120.98%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7	125.4	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	73.49%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8	706.7	0.0113	mg/L	0.00112	0.0113	mg/L	0.00112	9.94%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9	6.8	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	59.81%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2	-1.5	-0.002	mg/L	0.0025	-0.002	mg/L	0.0025	108.99%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3	-9.5	-0.0001	mg/L	0.00004	-0.0001	mg/L	0.00004	64.17%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								

035519

Cobalt,7440-48-4	22.8	0.0004 mg/L	0.00007	0.0004 mg/L	0.00007	20.33%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8	-141.9	-0.0004 mg/L	0.00034	-0.0004 mg/L	0.00034	94.00%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6	1.7	0.0032 mg/L	0.00243	0.0032 mg/L	0.00243	76.59%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1	10.9	0.0009 mg/L	0.00100	0.0009 mg/L	0.00100	115.60%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2	38.6	0.0008 mg/L	0.00031	0.0008 mg/L	0.00031	40.32%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4	-4.6	-0.0448 mg/L	0.01364	-0.0448 mg/L	0.01364	30.42%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese, 7439-96-5	103.7	0.000 mg/L	0.0000	0.000 mg/L	0.0000	21.60%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7	18.3	0.0006 mg/L	0.00024	0.0006 mg/L	0.00024	43.67%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0	24.1	0.0004 mg/L	0.00005	0.0004 mg/L	0.00005	12.56%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7	23.1	0.0129 mg/L	0.00194	0.0129 mg/L	0.00194	15.06%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2	-2.2	-0.0012 mg/L	0.00153	-0.0012 mg/L	0.00153	131.87%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3	3.1	0.0105 mg/L	0.00554	0.0105 mg/L	0.00554	52.83%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4	-27.8	-0.0001 mg/L	0.00023	-0.0001 mg/L	0.00023	226.71%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5	-74.6	-0.0152 mg/L	0.00662	-0.0152 mg/L	0.00662	43.49%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6	31.8	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	41.90%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0	6.1	0.0009 mg/L	0.00117	0.0009 mg/L	0.00117	135.62%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5	32.6	0.0030 mg/L	0.00055	0.0030 mg/L	0.00055	18.21%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6	18.0	0.0000 mg/L	0.00005	0.0000 mg/L	0.00005	159.17%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2	-132.2	-0.0010 mg/L	0.00014	-0.0010 mg/L	0.00014	13.33%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6	19.0	0.0001 mg/L	0.00004	0.0001 mg/L	0.00004	42.19%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7	2880.3	0.0059 mg/L	0.00053	0.0059 mg/L	0.00053	8.94%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 7 **Autosampler Location: 3**
Sample ID: 2300 **Date Collected: 12/8/2006 11:49:27 AM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:16:56 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

CLB 12/9/06

Mean Data: 2300

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	86389.3	99.081	%	0.2549				0.26%
Ar 420.067 R	986165.0	99.471	%	0.1006				0.10%
Scandium-IS	3154282.7	97.484	%	3.2861				3.37%
Yttrium,7440-65-5A	1632391.4	97.161	%	3.6569				3.76%
Yttrium,7440-65-5R	47633.8	99.635	%	0.1423				0.14%
Aluminum,7429-90-5	47.9	0.206	mg/L	0.0087	0.206	mg/L	0.0087	4.22%
QC value within limits for Aluminum,7429-90-5 Recovery = 103.01%								
Antimony,7440-36-0	419.2	0.0640	mg/L	0.00228	0.0640	mg/L	0.00228	3.56%
QC value within limits for Antimony,7440-36-0 Recovery = 106.70%								
Arsenic,7440-38-2	44.1	0.0123	mg/L	0.00037	0.0123	mg/L	0.00037	3.04%
QC value within limits for Arsenic,7440-38-2 Recovery = 122.61%								
Barium,7440-39-3	2187.0	0.0103	mg/L	0.00004	0.0103	mg/L	0.00004	0.39%
QC value within limits for Barium,7440-39-3 Recovery = 103.00%								
Beryllium,7440-41-7	22724.5	0.0052	mg/L	0.00001	0.0052	mg/L	0.00001	0.23%
QC value within limits for Beryllium,7440-41-7 Recovery = 103.63%								

Boron,7440-42-8	30709.7	0.4916 mg/L	0.00462	0.4916 mg/L	0.00462	0.94%
QC value within limits for Boron,7440-42-8 Recovery = 98.32%						
Cadmium,7440-43-9	1443.5	0.0052 mg/L	0.00006	0.0052 mg/L	0.00006	1.07%
QC value within limits for Cadmium,7440-43-9 Recovery = 103.19%						
Calcium,7440-70-2	142.5	0.221 mg/L	0.0086	0.221 mg/L	0.0086	3.89%
QC value greater than the upper limit for Calcium,7440-70-2 Recovery = 220.67%						
Chromium,7440-47-3	1426.7	0.0087 mg/L	0.00009	0.0087 mg/L	0.00009	0.99%
QC value within limits for Chromium,7440-47-3 Recovery = 86.54%						
Cobalt,7440-48-4	639.6	0.0100 mg/L	0.00032	0.0100 mg/L	0.00032	3.16%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.33%						
Copper,7440-50-8	3577.8	0.0090 mg/L	0.00015	0.0090 mg/L	0.00015	1.70%
QC value within limits for Copper,7440-50-8 Recovery = 90.24%						
Iron,7439-89-6	61.0	0.1127 mg/L	0.00329	0.1127 mg/L	0.00329	2.92%
QC value within limits for Iron,7439-89-6 Recovery = 112.71%						
Lead,7439-92-1	198.9	0.0158 mg/L	0.00112	0.0158 mg/L	0.00112	7.12%
QC value within limits for Lead,7439-92-1 Recovery = 105.09%						
Lithium,7439-93-2	2586.4	0.0523 mg/L	0.00136	0.0523 mg/L	0.00136	2.60%
QC value within limits for Lithium,7439-93-2 Recovery = 104.55%						
Magnesium,7439-95-4	4.3	0.0417 mg/L	0.01802	0.0417 mg/L	0.01802	43.16%
QC value less than the lower limit for Magnesium,7439-95-4 Recovery = 41.75%						
Manganese, 7439-96-5	14273.1	0.017 mg/L	0.0001	0.017 mg/L	0.0001	0.59%
QC value within limits for Manganese, 7439-96-5 Recovery = 111.14%						
Molybdenum,7439-98-7	1636.0	0.0494 mg/L	0.00032	0.0494 mg/L	0.00032	0.65%
QC value within limits for Molybdenum,7439-98-7 Recovery = 98.77%						
Nickel,7440-02-0	2493.5	0.0406 mg/L	0.00045	0.0406 mg/L	0.00045	1.10%
QC value within limits for Nickel,7440-02-0 Recovery = 101.61%						
Potassium,7440-09-7	941.5	0.5246 mg/L	0.01085	0.5246 mg/L	0.01085	2.07%
QC value within limits for Potassium,7440-09-7 Recovery = 104.91%						
Selenium,7782-49-2	77.3	0.0400 mg/L	0.00431	0.0400 mg/L	0.00431	10.77%
QC value within limits for Selenium,7782-49-2 Recovery = 100.08%						
Silicon,7440-21-3	4.1	0.0138 mg/L	0.00266	0.0138 mg/L	0.00266	19.35%
Silver,7440-22-4	3110.3	0.0101 mg/L	0.00010	0.0101 mg/L	0.00010	0.98%
QC value within limits for Silver,7440-22-4 Recovery = 100.83%						
Sodium,7440-23-5	5114.1	1.0440 mg/L	0.00360	1.0440 mg/L	0.00360	0.35%
QC value within limits for Sodium,7440-23-5 Recovery = 104.40%						
Strontium,7440-24-6	17013.4	0.0501 mg/L	0.00007	0.0501 mg/L	0.00007	0.14%
QC value within limits for Strontium,7440-24-6 Recovery = 100.18%						
Thallium,7440-28-0	75.2	0.0112 mg/L	0.00096	0.0112 mg/L	0.00096	8.64%
QC value within limits for Thallium,7440-28-0 Recovery = 111.71%						
Tin,7440-31-5	1091.0	0.1018 mg/L	0.00280	0.1018 mg/L	0.00280	2.75%
QC value within limits for Tin,7440-31-5 Recovery = 101.80%						
Titanium,7440-32-6	58733.3	0.1000 mg/L	0.00072	0.1000 mg/L	0.00072	0.72%
QC value within limits for Titanium,7440-32-6 Recovery = 100.01%						
Vanadium,7440-62-2	2480.4	0.0195 mg/L	0.00046	0.0195 mg/L	0.00046	2.34%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.31%						
Zinc,7440-66-6	5540.2	0.0278 mg/L	0.00010	0.0278 mg/L	0.00010	0.35%
QC value within limits for Zinc,7440-66-6 Recovery = 139.01%						
Zirconium,7440-67-7	16318.0	0.0334 mg/L	0.00152	0.0334 mg/L	0.00152	4.55%

QC Failed. Continue with analysis.

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Sequence No.: 8 **Autosampler Location: 3**
Sample ID: 2300 **Date Collected: 12/8/2006 11:58:01 AM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:16:58 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 2300

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	86653.9	99.384	%	0.2522				0.25%
Ar 420.067 R	990731.1	99.931	%	0.1098				0.11%
Scandium-IS	3181861.0	98.336	%	1.1355				1.15%
Yttrium,7440-65-5A	1649281.3	98.166	%	1.0955				1.12%
Yttrium,7440-65-5R	47286.5	98.909	%	0.5951				0.60%
Aluminum,7429-90-5	43.6	0.188	mg/L	0.0114	0.188	mg/L	0.0114	6.09%
QC value within limits for Aluminum,7429-90-5 Recovery = 93.79%								
Antimony,7440-36-0	399.8	0.0610	mg/L	0.00112	0.0610	mg/L	0.00112	1.84%
QC value within limits for Antimony,7440-36-0 Recovery = 101.74%								

Arsenic,7440-38-2	41.9	0.0116 mg/L	0.00248	0.0116 mg/L	0.00248	21.29%
QC value within limits for Arsenic,7440-38-2 Recovery = 116.50%						
Barium,7440-39-3	2099.0	0.0099 mg/L	0.00002	0.0099 mg/L	0.00002	0.17%
QC value within limits for Barium,7440-39-3 Recovery = 98.86%						
Beryllium,7440-41-7	21985.0	0.0050 mg/L	0.00005	0.0050 mg/L	0.00005	1.02%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.25%						
Boron,7440-42-8	30023.4	0.4806 mg/L	0.00445	0.4806 mg/L	0.00445	0.93%
QC value within limits for Boron,7440-42-8 Recovery = 96.12%						
Cadmium,7440-43-9	1322.3	0.0047 mg/L	0.00000	0.0047 mg/L	0.00000	0.07%
QC value within limits for Cadmium,7440-43-9 Recovery = 94.53%						
Calcium,7440-70-2	63.4	0.098 mg/L	0.0029	0.098 mg/L	0.0029	3.00%
QC value within limits for Calcium,7440-70-2 Recovery = 98.09%						
Chromium,7440-47-3	1394.2	0.0085 mg/L	0.00006	0.0085 mg/L	0.00006	0.74%
QC value within limits for Chromium,7440-47-3 Recovery = 84.56%						
Cobalt,7440-48-4	613.1	0.0096 mg/L	0.00015	0.0096 mg/L	0.00015	1.52%
QC value within limits for Cobalt,7440-48-4 Recovery = 96.14%						
Copper,7440-50-8	3520.2	0.0089 mg/L	0.00038	0.0089 mg/L	0.00038	4.30%
QC value within limits for Copper,7440-50-8 Recovery = 88.87%						
Iron,7439-89-6	50.0	0.0924 mg/L	0.00737	0.0924 mg/L	0.00737	7.97%
QC value within limits for Iron,7439-89-6 Recovery = 92.43%						
Lead,7439-92-1	192.3	0.0152 mg/L	0.00218	0.0152 mg/L	0.00218	14.30%
QC value within limits for Lead,7439-92-1 Recovery = 101.60%						
Lithium,7439-93-2	2502.4	0.0506 mg/L	0.00038	0.0506 mg/L	0.00038	0.76%
QC value within limits for Lithium,7439-93-2 Recovery = 101.15%						
Magnesium,7439-95-4	6.6	0.0637 mg/L	0.01503	0.0637 mg/L	0.01503	23.58%
QC value within limits for Magnesium,7439-95-4 Recovery = 63.75%						
Manganese, 7439-96-5	12755.0	0.015 mg/L	0.0000	0.015 mg/L	0.0000	0.16%
QC value within limits for Manganese, 7439-96-5 Recovery = 99.29%						
Molybdenum,7439-98-7	1580.0	0.0477 mg/L	0.00068	0.0477 mg/L	0.00068	1.43%
QC value within limits for Molybdenum,7439-98-7 Recovery = 95.39%						
Nickel,7440-02-0	2432.7	0.0397 mg/L	0.00034	0.0397 mg/L	0.00034	0.86%
QC value within limits for Nickel,7440-02-0 Recovery = 99.14%						
Potassium,7440-09-7	884.9	0.4930 mg/L	0.02223	0.4930 mg/L	0.02223	4.51%
QC value within limits for Potassium,7440-09-7 Recovery = 98.60%						
Selenium,7782-49-2	70.5	0.0365 mg/L	0.00222	0.0365 mg/L	0.00222	6.09%
QC value within limits for Selenium,7782-49-2 Recovery = 91.24%						
Silicon,7440-21-3	4.9	0.0167 mg/L	0.00238	0.0167 mg/L	0.00238	14.22%
Silver,7440-22-4	3017.3	0.0098 mg/L	0.00013	0.0098 mg/L	0.00013	1.36%
QC value within limits for Silver,7440-22-4 Recovery = 97.72%						
Sodium,7440-23-5	4847.8	0.9897 mg/L	0.00575	0.9897 mg/L	0.00575	0.58%
QC value within limits for Sodium,7440-23-5 Recovery = 98.97%						
Strontium,7440-24-6	16581.8	0.0488 mg/L	0.00034	0.0488 mg/L	0.00034	0.69%
QC value within limits for Strontium,7440-24-6 Recovery = 97.65%						
Thallium,7440-28-0	64.8	0.0097 mg/L	0.00160	0.0097 mg/L	0.00160	16.54%
QC value within limits for Thallium,7440-28-0 Recovery = 96.81%						
Tin,7440-31-5	1013.9	0.0946 mg/L	0.00029	0.0946 mg/L	0.00029	0.31%
QC value within limits for Tin,7440-31-5 Recovery = 94.61%						
Titanium,7440-32-6	57169.8	0.0973 mg/L	0.00078	0.0973 mg/L	0.00078	0.80%
QC value within limits for Titanium,7440-32-6 Recovery = 97.35%						
Vanadium,7440-62-2	2365.7	0.0186 mg/L	0.00027	0.0186 mg/L	0.00027	1.46%
QC value within limits for Vanadium,7440-62-2 Recovery = 92.82%						
Zinc,7440-66-6	3906.1	0.0195 mg/L	0.00007	0.0195 mg/L	0.00007	0.35%
QC value within limits for Zinc,7440-66-6 Recovery = 97.68%						
Zirconium,7440-67-7	6530.9	0.0133 mg/L	0.00012	0.0133 mg/L	0.00012	0.87%

All analyte(s) passed QC.

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Sequence No.: 9 **Autosampler Location: 4**
Sample ID: 2301 **Date Collected: 12/8/2006 12:04:35 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:01 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 2301

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	86409.6	99.104	%	0.2562				0.26%
Ar 420.067 R	986061.9	99.460	%	0.1506				0.15%
Scandium-IS	3204974.4	99.051	%	0.5660				0.57%

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Yttrium,7440-65-5A	1663120.8	98.990 %	0.5706				0.58%
Yttrium,7440-65-5R	47069.8	98.455 %	1.0412				1.06%
Aluminum,7429-90-5	19.2	0.083 mg/L	0.0154	0.083	mg/L	0.0154	18.70%
QC value within limits for Aluminum,7429-90-5 Recovery = 82.58%							
Antimony,7440-36-0	70.3	0.0107 mg/L	0.00068	0.0107	mg/L	0.00068	6.38%
QC value within limits for Antimony,7440-36-0 Recovery = 106.89%							
Arsenic,7440-38-2	3.0	0.0008 mg/L	0.00053	0.0008	mg/L	0.00053	66.16%
Barium,7440-39-3	5.8	0.0000 mg/L	0.00005	0.0000	mg/L	0.00005	204.35%
Beryllium,7440-41-7	203.3	0.0000 mg/L	0.00002	0.0000	mg/L	0.00002	42.98%
Boron,7440-42-8	6166.2	0.0987 mg/L	0.00025	0.0987	mg/L	0.00025	0.25%
QC value within limits for Boron,7440-42-8 Recovery = 98.72%							
Cadmium,7440-43-9	3.6	0.0000 mg/L	0.00003	0.0000	mg/L	0.00003	606.86%
Calcium,7440-70-2	3.8	0.006 mg/L	0.0005	0.006	mg/L	0.0005	7.71%
Chromium,7440-47-3	882.2	0.0053 mg/L	0.00016	0.0053	mg/L	0.00016	2.96%
QC value within limits for Chromium,7440-47-3 Recovery = 105.89%							
Cobalt,7440-48-4	333.4	0.0053 mg/L	0.00014	0.0053	mg/L	0.00014	2.57%
QC value within limits for Cobalt,7440-48-4 Recovery = 106.59%							
Copper,7440-50-8	1739.4	0.0044 mg/L	0.00034	0.0044	mg/L	0.00034	7.86%
QC value within limits for Copper,7440-50-8 Recovery = 73.10%							
Iron,7439-89-6	26.9	0.0498 mg/L	0.00445	0.0498	mg/L	0.00445	8.94%
QC value within limits for Iron,7439-89-6 Recovery = 99.61%							
Lead,7439-92-1	51.4	0.0041 mg/L	0.00094	0.0041	mg/L	0.00094	23.02%
QC value within limits for Lead,7439-92-1 Recovery = 81.36%							
Lithium,7439-93-2	69.0	0.0014 mg/L	0.00029	0.0014	mg/L	0.00029	20.94%
Magnesium,7439-95-4	0.3	0.0030 mg/L	0.05099	0.0030	mg/L	0.05099	>999.9%
QC value less than the lower limit for Magnesium,7439-95-4 Recovery = 6.00%							
Manganese, 7439-96-5	8628.0	0.010 mg/L	0.0000	0.010	mg/L	0.0000	0.28%
QC value within limits for Manganese, 7439-96-5 Recovery = 101.07%							
Molybdenum,7439-98-7	333.5	0.0101 mg/L	0.00034	0.0101	mg/L	0.00034	3.35%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.69%							
Nickel,7440-02-0	590.1	0.0096 mg/L	0.00030	0.0096	mg/L	0.00030	3.14%
QC value within limits for Nickel,7440-02-0 Recovery = 96.31%							
Potassium,7440-09-7	-51.7	-0.0288 mg/L	0.01673	-0.0288	mg/L	0.01673	57.99%
Selenium,7782-49-2	16.7	0.0087 mg/L	0.00509	0.0087	mg/L	0.00509	58.73%
QC value within limits for Selenium,7782-49-2 Recovery = 86.71%							
Silicon,7440-21-3	3.5	0.0118 mg/L	0.00631	0.0118	mg/L	0.00631	53.68%
Silver,7440-22-4	-29.0	-0.0001 mg/L	0.00016	-0.0001	mg/L	0.00016	168.67%
Sodium,7440-23-5	-146.6	-0.0300 mg/L	0.00187	-0.0300	mg/L	0.00187	6.26%
Strontium,7440-24-6	-2.3	0.0000 mg/L	0.00008	0.0000	mg/L	0.00008	>999.9%
Thallium,7440-28-0	4.7	0.0007 mg/L	0.00107	0.0007	mg/L	0.00107	154.25%
Tin,7440-31-5	270.1	0.0252 mg/L	0.00039	0.0252	mg/L	0.00039	1.54%
QC value within limits for Tin,7440-31-5 Recovery = 100.82%							
Titanium,7440-32-6	3017.9	0.0051 mg/L	0.00010	0.0051	mg/L	0:00010	1.98%
QC value within limits for Titanium,7440-32-6 Recovery = 102.76%							
Vanadium,7440-62-2	-178.1	-0.0014 mg/L	0.00007	-0.0014	mg/L	0.00007	5.01%
Zinc,7440-66-6	1706.2	0.0086 mg/L	0.00004	0.0086	mg/L	0.00004	0.51%
QC value within limits for Zinc,7440-66-6 Recovery = 85.69%							
Zirconium,7440-67-7	165.2	0.0003 mg/L	0.00015	0.0003	mg/L	0.00015	45.80%

QC Failed. Continue with analysis.

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Sequence No.: 10 **Autosampler Location: 5**
Sample ID: 2000 **Date Collected: 12/8/2006 12:09:46 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:03 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

CLB 12/9/06

Mean Data: 2000

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	77804.4	89.235	%	0.1206				0.14%
Ar 420.067 R	937632.6	94.575	%	0.1437				0.15%
Scandium-IS	3058109.7	94.512	%	0.5062				0.54%
Yttrium,7440-65-5A	1568150.0	93.337	%	0.5262				0.56%
Yttrium,7440-65-5R	45764.6	95.725	%	0.3331				0.35%
Aluminum,7429-90-5	46157.2	198.3	mg/L	0.25	198.3	mg/L	0.25	0.12%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.15%								
Antimony,7440-36-0	30.0	-0.0002	mg/L	0.00241	-0.0002	mg/L	0.00241	>999.9%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								

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Arsenic,7440-38-2	-197.6	-0.0113 mg/L	0.00290	-0.0113 mg/L	0.00290	25.75%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated						
Barium,7440-39-3	488.3	-0.0011 mg/L	0.00003	-0.0011 mg/L	0.00003	2.60%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated						
Beryllium,7440-41-7	-721.3	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	88.75%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated						
Boron,7440-42-8	-2390.5	0.0026 mg/L	0.00046	0.0026 mg/L	0.00046	17.38%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated						
Cadmium,7440-43-9	400.8	0.0012 mg/L	0.00004	0.0012 mg/L	0.00004	3.49%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated						
Calcium,7440-70-2	122119.0	189.4 mg/L	0.42	189.4 mg/L	0.42	0.22%
QC value within limits for Calcium,7440-70-2 Recovery = 94.71%						
Chromium,7440-47-3	3719.2	-0.0154 mg/L	0.00016	-0.0154 mg/L	0.00016	1.04%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated						
Cobalt,7440-48-4	199.8	-0.0002 mg/L	0.00007	-0.0002 mg/L	0.00007	29.28%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8	2854.5	-0.0190 mg/L	0.00027	-0.0190 mg/L	0.00027	1.40%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6	40756.5	75.397 mg/L	0.3715	75.397 mg/L	0.3715	0.49%
QC value within limits for Iron,7439-89-6 Recovery = 94.25%						
Lead,7439-92-1	-461.1	0.0017 mg/L	0.00019	0.0017 mg/L	0.00019	11.30%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2	98.8	0.0034 mg/L	0.00113	0.0034 mg/L	0.00113	33.30%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4	19565.7	189.01 mg/L	0.125	189.01 mg/L	0.125	0.07%
QC value within limits for Magnesium,7439-95-4 Recovery = 94.51%						
Manganese, 7439-96-5	4105.0	0.005 mg/L	0.0001	0.005 mg/L	0.0001	1.02%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7	26.9	0.0022 mg/L	0.00062	0.0022 mg/L	0.00062	28.71%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0	172.5	0.0008 mg/L	0.00021	0.0008 mg/L	0.00021	24.51%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7	20.9	-0.0092 mg/L	0.00992	-0.0092 mg/L	0.00992	107.88%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2	-127.7	-0.0061 mg/L	0.00371	-0.0061 mg/L	0.00371	60.71%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3	44.5	0.0640 mg/L	0.00949	0.0640 mg/L	0.00949	14.82%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4	-8585.5	-0.0012 mg/L	0.00008	-0.0012 mg/L	0.00008	6.63%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5	210.9	0.0122 mg/L	0.00627	0.0122 mg/L	0.00627	51.52%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6	1172.1	-0.0005 mg/L	0.00002	-0.0005 mg/L	0.00002	4.15%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0	-10.7	0.0019 mg/L	0.00170	0.0019 mg/L	0.00170	88.10%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5	-207.5	-0.0163 mg/L	0.00162	-0.0163 mg/L	0.00162	9.90%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6	470.3	0.0006 mg/L	0.00012	0.0006 mg/L	0.00012	18.89%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2	-2675.0	-0.0200 mg/L	0.00110	-0.0200 mg/L	0.00110	5.49%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6	2753.0	0.0027 mg/L	0.00005	0.0027 mg/L	0.00005	1.93%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7	-5423.6	-0.0087 mg/L	0.00017	-0.0087 mg/L	0.00017	1.93%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

QC Failed. Continue with analysis.

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Sequence No.: 11
Sample ID: 2000
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 5
Date Collected: 12/8/2006 12:16:47 PM
Data Type: Reprocessed on 12/9/2006 9:17:05 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 2000

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	77074.4	88.397	%	0.2682				0.30%

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Ar 420.067 R	937159.9	94.528 %		0.3323				0.35%
Scandium-IS	3032650.3	93.725 %		0.6442				0.69%
Yttrium,7440-65-5A	1556863.3	92.666 %		0.6104				0.66%
Yttrium,7440-65-5R	45756.4	95.708 %		0.9305				0.97%
Aluminum,7429-90-5	46232.5	198.6	mg/L	1.03	198.6	mg/L	1.03	0.52%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.31%								
Antimony,7440-36-0	27.4	-0.0006	mg/L	0.00311	-0.0006	mg/L	0.00311	495.36%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2	-208.3	-0.0140	mg/L	0.00169	-0.0140	mg/L	0.00169	12.03%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3	506.4	-0.0010	mg/L	0.00004	-0.0010	mg/L	0.00004	4.05%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7	-755.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	16.26%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8	-2565.0	-0.0001	mg/L	0.00187	-0.0001	mg/L	0.00187	>999.9%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9	391.2	0.0012	mg/L	0.00002	0.0012	mg/L	0.00002	1.29%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2	122402.2	189.9	mg/L	1.12	189.9	mg/L	1.12	0.59%
QC value within limits for Calcium,7440-70-2 Recovery = 94.93%								
Chromium,7440-47-3	3643.7	-0.0159	mg/L	0.00038	-0.0159	mg/L	0.00038	2.39%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4	192.8	-0.0004	mg/L	0.00013	-0.0004	mg/L	0.00013	36.67%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8	2732.1	-0.0194	mg/L	0.00022	-0.0194	mg/L	0.00022	1.14%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6	40861.7	75.592	mg/L	0.4723	75.592	mg/L	0.4723	0.62%
QC value within limits for Iron,7439-89-6 Recovery = 94.49%								
Lead,7439-92-1	-468.7	0.0012	mg/L	0.00093	0.0012	mg/L	0.00093	79.10%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2	69.2	0.0028	mg/L	0.00119	0.0028	mg/L	0.00119	42.59%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4	19589.5	189.24	mg/L	0.935	189.24	mg/L	0.935	0.49%
QC value within limits for Magnesium,7439-95-4 Recovery = 94.62%								
Manganese, 7439-96-5	3804.4	0.005	mg/L	0.0001	0.005	mg/L	0.0001	1.15%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7	31.6	0.0023	mg/L	0.00051	0.0023	mg/L	0.00051	21.85%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0	169.7	0.0008	mg/L	0.00038	0.0008	mg/L	0.00038	47.78%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7	32.4	-0.0029	mg/L	0.04274	-0.0029	mg/L	0.04274	>999.9%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2	-132.6	-0.0085	mg/L	0.00441	-0.0085	mg/L	0.00441	52.13%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3	41.4	0.0532	mg/L	0.00870	0.0532	mg/L	0.00870	16.36%
QC value greater than the upper limit for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4	-8542.0	-0.0010	mg/L	0.00055	-0.0010	mg/L	0.00055	56.07%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5	193.2	0.0085	mg/L	0.01236	0.0085	mg/L	0.01236	145.09%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6	1167.7	-0.0005	mg/L	0.00006	-0.0005	mg/L	0.00006	11.83%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0	-20.7	0.0005	mg/L	0.00157	0.0005	mg/L	0.00157	306.59%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5	-207.6	-0.0163	mg/L	0.00044	-0.0163	mg/L	0.00044	2.71%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated								
Titanium,7440-32-6	443.8	0.0006	mg/L	0.00016	0.0006	mg/L	0.00016	26.31%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated								
Vanadium,7440-62-2	-2662.0	-0.0199	mg/L	0.00073	-0.0199	mg/L	0.00073	3.66%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated								
Zinc,7440-66-6	2699.8	0.0025	mg/L	0.00014	0.0025	mg/L	0.00014	5.72%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated								
Zirconium,7440-67-7	-5511.8	-0.0089	mg/L	0.00020	-0.0089	mg/L	0.00020	2.28%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated								
QC Failed. Continue with analysis.								

Sequence No.: 12 **Autosampler Location: 6**
Sample ID: 2100 **Date Collected: 12/8/2006 12:23:27 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:07 AM**
Logged In Analyst (Original) : met

035525

Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Mean Data: 2100

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	76895.7	88.192	%	0.3227				0.37%
Ar 420.067 R	936187.8	94.430	%	0.2324				0.25%
Scandium-IS	3049348.6	94.241	%	1.4569				1.55%
Yttrium,7440-65-5A	1564548.7	93.123	%	1.4168				1.52%
Yttrium,7440-65-5R	46244.4	96.729	%	0.8366				0.86%
Aluminum,7429-90-5	47751.8	205.1	mg/L	1.67	205.1	mg/L	1.67	0.82%
QC value within limits for Aluminum,7429-90-5 Recovery = 102.57%								
Antimony,7440-36-0	6479.5	0.9806	mg/L	0.00900	0.9806	mg/L	0.00900	0.92%
QC value within limits for Antimony,7440-36-0 Recovery = 98.06%								
Arsenic,7440-38-2	3286.8	0.9267	mg/L	0.00602	0.9267	mg/L	0.00602	0.65%
QC value within limits for Arsenic,7440-38-2 Recovery = 92.67%								
Barium,7440-39-3	102991.9	0.4821	mg/L	0.00429	0.4821	mg/L	0.00429	0.89%
QC value within limits for Barium,7440-39-3 Recovery = 96.42%								
Beryllium,7440-41-7	2099294.2	0.4819	mg/L	0.00443	0.4819	mg/L	0.00443	0.92%
QC value within limits for Beryllium,7440-41-7 Recovery = 96.37%								
Boron,7440-42-8	57174.8	0.9577	mg/L	0.00909	0.9577	mg/L	0.00909	0.95%
QC value within limits for Boron,7440-42-8 Recovery = 95.77%								
Cadmium,7440-43-9	254620.7	0.9114	mg/L	0.00782	0.9114	mg/L	0.00782	0.86%
QC value within limits for Cadmium,7440-43-9 Recovery = 91.14%								
Calcium,7440-70-2	126781.5	196.6	mg/L	2.16	196.6	mg/L	2.16	1.10%
QC value within limits for Calcium,7440-70-2 Recovery = 98.32%								
Chromium,7440-47-3	82285.7	0.4593	mg/L	0.00446	0.4593	mg/L	0.00446	0.97%
QC value within limits for Chromium,7440-47-3 Recovery = 91.87%								
Cobalt,7440-48-4	28289.1	0.4495	mg/L	0.00304	0.4495	mg/L	0.00304	0.68%
QC value within limits for Cobalt,7440-48-4 Recovery = 89.89%								
Copper,7440-50-8	195528.9	0.4689	mg/L	0.00479	0.4689	mg/L	0.00479	1.02%
QC value within limits for Copper,7440-50-8 Recovery = 93.79%								
Iron,7439-89-6	42297.4	78.247	mg/L	0.8729	78.247	mg/L	0.8729	1.12%
QC value within limits for Iron,7439-89-6 Recovery = 97.81%								
Lead,7439-92-1	11364.0	0.9378	mg/L	0.00594	0.9378	mg/L	0.00594	0.63%
QC value within limits for Lead,7439-92-1 Recovery = 93.78%								
Lithium,7439-93-2	88.8	0.0033	mg/L	0.00129	0.0033	mg/L	0.00129	38.90%
Magnesium,7439-95-4	20335.9	196.45	mg/L	1.745	196.45	mg/L	1.745	0.89%
QC value within limits for Magnesium,7439-95-4 Recovery = 98.22%								
Manganese, 7439-96-5	407826.9	0.478	mg/L	0.0042	0.478	mg/L	0.0042	0.87%
QC value within limits for Manganese, 7439-96-5 Recovery = 95.59%								
Molybdenum,7439-98-7	30988.1	0.9368	mg/L	0.00500	0.9368	mg/L	0.00500	0.53%
QC value within limits for Molybdenum,7439-98-7 Recovery = 93.68%								
Nickel,7440-02-0	55053.9	0.8969	mg/L	0.00405	0.8969	mg/L	0.00405	0.45%
QC value within limits for Nickel,7440-02-0 Recovery = 89.69%								
Potassium,7440-09-7	92.1	0.0293	mg/L	0.01345	0.0293	mg/L	0.01345	45.82%
Selenium,7782-49-2	1778.3	0.9809	mg/L	0.00910	0.9809	mg/L	0.00910	0.93%
QC value within limits for Selenium,7782-49-2 Recovery = 98.09%								
Silicon,7440-21-3	67.0	0.1361	mg/L	0.00476	0.1361	mg/L	0.00476	3.50%
Silver,7440-22-4	307930.6	1.0016	mg/L	0.00774	1.0016	mg/L	0.00774	0.77%
QC value within limits for Silver,7440-22-4 Recovery = 100.16%								
Sodium,7440-23-5	5269.9	1.0428	mg/L	0.01968	1.0428	mg/L	0.01968	1.89%
Strontium,7440-24-6	2006.8	0.0018	mg/L	0.00017	0.0018	mg/L	0.00017	9.45%
Thallium,7440-28-0	6883.1	0.9812	mg/L	0.01022	0.9812	mg/L	0.01022	1.04%
QC value within limits for Thallium,7440-28-0 Recovery = 98.12%								
Tin,7440-31-5	-245.7	-0.0196	mg/L	0.00219	-0.0196	mg/L	0.00219	11.15%
Titanium,7440-32-6	163.5	0.0000	mg/L	0.00017	0.0000	mg/L	0.00017	>999.9%
Vanadium,7440-62-2	58344.3	0.4589	mg/L	0.00574	0.4589	mg/L	0.00574	1.25%
QC value within limits for Vanadium,7440-62-2 Recovery = 91.78%								
Zinc,7440-66-6	188141.9	0.9349	mg/L	0.00699	0.9349	mg/L	0.00699	0.75%
QC value within limits for Zinc,7440-66-6 Recovery = 93.49%								
Zirconium,7440-67-7	-1939.4	-0.0015	mg/L	0.00154	-0.0015	mg/L	0.00154	99.91%

All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 12/8/2006 12:29:20 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:09 AM**
Logged In Analyst (Original) : met

001438

035526

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
Ar 363.268 A	85181.0	97.695	%	0.1724				0.18%
Ar 420.067 R	982664.3	99.118	%	0.1957				0.20%
Scandium-IS	3172839.9	98.057	%	0.8220				0.84%
Yttrium,7440-65-5A	1642175.0	97.743	%	0.7672				0.78%
Yttrium,7440-65-5R	47548.4	99.456	%	0.5306				0.53%
Aluminum,7429-90-5	1177.5	5.062	mg/L	0.0267	5.062	mg/L	0.0267	0.53%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.24%								
Antimony,7440-36-0	3313.2	0.5004	mg/L	0.00437	0.5004	mg/L	0.00437	0.87%
QC value within limits for Antimony,7440-36-0 Recovery = 100.09%								
Arsenic,7440-38-2	1888.8	0.5150	mg/L	0.00235	0.5150	mg/L	0.00235	0.46%
QC value within limits for Arsenic,7440-38-2 Recovery = 103.00%								
Barium,7440-39-3	108018.3	0.5091	mg/L	0.00087	0.5091	mg/L	0.00087	0.17%
QC value within limits for Barium,7440-39-3 Recovery = 101.83%								
Beryllium,7440-41-7	2219285.5	0.5091	mg/L	0.00138	0.5091	mg/L	0.00138	0.27%
QC value within limits for Beryllium,7440-41-7 Recovery = 101.81%								
Boron,7440-42-8	157527.6	2.5244	mg/L	0.01787	2.5244	mg/L	0.01787	0.71%
QC value within limits for Boron,7440-42-8 Recovery = 100.98%								
Cadmium,7440-43-9	142514.4	0.5098	mg/L	0.00055	0.5098	mg/L	0.00055	0.11%
QC value within limits for Cadmium,7440-43-9 Recovery = 101.96%								
Calcium,7440-70-2	3304.3	5.124	mg/L	0.0265	5.124	mg/L	0.0265	0.52%
QC value within limits for Calcium,7440-70-2 Recovery = 102.47%								
Chromium,7440-47-3	84079.4	0.5084	mg/L	0.00105	0.5084	mg/L	0.00105	0.21%
QC value within limits for Chromium,7440-47-3 Recovery = 101.69%								
Cobalt,7440-48-4	31906.5	0.5099	mg/L	0.00321	0.5099	mg/L	0.00321	0.63%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.99%								
Copper,7440-50-8	198958.2	0.5032	mg/L	0.00198	0.5032	mg/L	0.00198	0.39%
QC value within limits for Copper,7440-50-8 Recovery = 100.65%								
Iron,7439-89-6	2798.3	5.1766	mg/L	0.03634	5.1766	mg/L	0.03634	0.70%
QC value within limits for Iron,7439-89-6 Recovery = 103.53%								
Lead,7439-92-1	6449.5	0.5100	mg/L	0.00221	0.5100	mg/L	0.00221	0.43%
QC value within limits for Lead,7439-92-1 Recovery = 102.01%								
Lithium,7439-93-2	25363.8	0.5127	mg/L	0.00258	0.5127	mg/L	0.00258	0.50%
QC value within limits for Lithium,7439-93-2 Recovery = 102.53%								
Magnesium,7439-95-4	531.3	5.1338	mg/L	0.03166	5.1338	mg/L	0.03166	0.62%
QC value within limits for Magnesium,7439-95-4 Recovery = 102.68%								
Manganese, 7439-96-5	436154.4	0.511	mg/L	0.0013	0.511	mg/L	0.0013	0.26%
QC value within limits for Manganese, 7439-96-5 Recovery = 102.17%								
Molybdenum,7439-98-7	16865.9	0.5091	mg/L	0.00381	0.5091	mg/L	0.00381	0.75%
QC value within limits for Molybdenum,7439-98-7 Recovery = 101.82%								
Nickel,7440-02-0	31388.3	0.5119	mg/L	0.00348	0.5119	mg/L	0.00348	0.68%
QC value within limits for Nickel,7440-02-0 Recovery = 102.38%								
Potassium,7440-09-7	18601.1	10.364	mg/L	0.0688	10.364	mg/L	0.0688	0.66%
QC value within limits for Potassium,7440-09-7 Recovery = 103.64%								
Selenium,7782-49-2	1010.0	0.5250	mg/L	0.00475	0.5250	mg/L	0.00475	0.90%
QC value within limits for Selenium,7782-49-2 Recovery = 105.00%								
Silicon,7440-21-3	142.3	0.4802	mg/L	0.01158	0.4802	mg/L	0.01158	2.41%
QC value within limits for Silicon,7440-21-3 Recovery = 96.04%								
Silver,7440-22-4	161965.4	0.5178	mg/L	0.00176	0.5178	mg/L	0.00176	0.34%
QC value within limits for Silver,7440-22-4 Recovery = 103.56%								
Sodium,7440-23-5	101691.9	20.759	mg/L	0.0682	20.759	mg/L	0.0682	0.33%
QC value within limits for Sodium,7440-23-5 Recovery = 103.80%								
Strontium,7440-24-6	173688.1	0.5113	mg/L	0.00257	0.5113	mg/L	0.00257	0.50%
QC value within limits for Strontium,7440-24-6 Recovery = 102.26%								
Thallium,7440-28-0	3581.2	0.5116	mg/L	0.00357	0.5116	mg/L	0.00357	0.70%
QC value within limits for Thallium,7440-28-0 Recovery = 102.32%								
Tin,7440-31-5	5436.5	0.5075	mg/L	0.00368	0.5075	mg/L	0.00368	0.73%
QC value within limits for Tin,7440-31-5 Recovery = 101.49%								
Titanium,7440-32-6	299850.6	0.5105	mg/L	0.00161	0.5105	mg/L	0.00161	0.32%
QC value within limits for Titanium,7440-32-6 Recovery = 102.10%								
Vanadium,7440-62-2	63993.0	0.5020	mg/L	0.00225	0.5020	mg/L	0.00225	0.45%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.40%								
Zinc,7440-66-6	101862.7	0.5114	mg/L	0.00029	0.5114	mg/L	0.00029	0.06%
QC value within limits for Zinc,7440-66-6 Recovery = 102.29%								
Zirconium,7440-67-7	248163.3	0.5088	mg/L	0.00203	0.5088	mg/L	0.00203	0.40%

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QC value within limits for Zirconium,7440-67-7 Recovery = 101.76%
All analyte(s) passed QC.

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Sequence No.: 14 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/8/2006 12:36:07 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:11 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
Ar 363.268 A	85621.0	98.200	%	0.2499				0.25%
Ar 420.067 R	983915.4	99.244	%	0.2203				0.22%
Scandium-IS	3171875.0	98.028	%	0.8788				0.90%
Yttrium,7440-65-5A	1646454.4	97.998	%	0.8697				0.89%
Yttrium,7440-65-5R	47049.5	98.413	%	1.0878				1.11%
Aluminum,7429-90-5	-3.0	-0.013	mg/L	0.0166	-0.013	mg/L	0.0166	131.12%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0	-6.1	-0.0009	mg/L	0.00088	-0.0009	mg/L	0.00088	94.05%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2	-3.0	-0.0008	mg/L	0.00132	-0.0008	mg/L	0.00132	160.06%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3	4.8	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	115.89%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7	112.0	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	59.02%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8	1340.7	0.0215	mg/L	0.00190	0.0215	mg/L	0.00190	8.86%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9	44.5	0.0002	mg/L	0.00006	0.0002	mg/L	0.00006	35.77%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2	2.2	0.003	mg/L	0.0073	0.003	mg/L	0.0073	214.79%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3	-44.4	-0.0003	mg/L	0.00009	-0.0003	mg/L	0.00009	34.25%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4	-1.7	0.0000	mg/L	0.00014	0.0000	mg/L	0.00014	505.63%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8	-19.3	-0.0001	mg/L	0.00035	-0.0001	mg/L	0.00035	684.46%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6	3.9	0.0072	mg/L	0.00551	0.0072	mg/L	0.00551	76.15%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1	2.8	0.0002	mg/L	0.00114	0.0002	mg/L	0.00114	522.44%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2	82.9	0.0017	mg/L	0.00008	0.0017	mg/L	0.00008	4.78%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4	-4.1	-0.0400	mg/L	0.04780	-0.0400	mg/L	0.04780	119.49%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese, 7439-96-5	133.7	0.000	mg/L	0.0000	0.000	mg/L	0.0000	7.71%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7	48.9	0.0015	mg/L	0.00032	0.0015	mg/L	0.00032	21.44%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0	28.7	0.0005	mg/L	0.00023	0.0005	mg/L	0.00023	48.93%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated								
Potassium,7440-09-7	40.2	0.0224	mg/L	0.02998	0.0224	mg/L	0.02998	133.91%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated								
Selenium,7782-49-2	-10.5	-0.0054	mg/L	0.00034	-0.0054	mg/L	0.00034	6.27%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated								
Silicon,7440-21-3	6.8	0.0231	mg/L	0.00477	0.0231	mg/L	0.00477	20.65%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated								
Silver,7440-22-4	14.1	0.0000	mg/L	0.00022	0.0000	mg/L	0.00022	815.79%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated								
Sodium,7440-23-5	-38.2	-0.0078	mg/L	0.00504	-0.0078	mg/L	0.00504	64.72%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated								
Strontium,7440-24-6	21.3	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	36.66%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated								
Thallium,7440-28-0	18.9	0.0027	mg/L	0.00050	0.0027	mg/L	0.00050	18.44%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated								
Tin,7440-31-5	18.2	0.0017	mg/L	0.00101	0.0017	mg/L	0.00101	59.63%

QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6 156.0 0.0003 mg/L 0.00010 0.0003 mg/L 0.00010 38.49%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2 -198.2 -0.0016 mg/L 0.00035 -0.0016 mg/L 0.00035 22.15%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6 82.2 0.0004 mg/L 0.00008 0.0004 mg/L 0.00008 19.32%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7 171.0 0.0004 mg/L 0.00010 0.0004 mg/L 0.00010 29.27%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analyte(s) passed QC.

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Sequence No.: 15 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 12/8/2006 1:10:00 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:14 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
Ar 363.268 A	85257.2	97.782	%	0.2715				0.28%
Ar 420.067 R	981649.0	99.015	%	0.0410				0.04%
Scandium-IS	3213342.3	99.309	%	1.2760				1.28%
Yttrium,7440-65-5A	1660166.6	98.814	%	1.2810				1.30%
Yttrium,7440-65-5R	47612.4	99.590	%	0.7712				0.77%
Aluminum,7429-90-5	1184.1	5.090	mg/L	0.0174	5.090	mg/L	0.0174	0.34%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.81%								
Antimony,7440-36-0	3320.7	0.5016	mg/L	0.00170	0.5016	mg/L	0.00170	0.34%
QC value within limits for Antimony,7440-36-0 Recovery = 100.31%								
Arsenic,7440-38-2	1880.7	0.5128	mg/L	0.00098	0.5128	mg/L	0.00098	0.19%
QC value within limits for Arsenic,7440-38-2 Recovery = 102.57%								
Barium,7440-39-3	108216.4	0.5101	mg/L	0.00092	0.5101	mg/L	0.00092	0.18%
QC value within limits for Barium,7440-39-3 Recovery = 102.01%								
Beryllium,7440-41-7	2230597.1	0.5117	mg/L	0.00059	0.5117	mg/L	0.00059	0.12%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.33%								
Boron,7440-42-8	158491.3	2.5398	mg/L	0.00435	2.5398	mg/L	0.00435	0.17%
QC value within limits for Boron,7440-42-8 Recovery = 101.59%								
Cadmium,7440-43-9	143443.3	0.5131	mg/L	0.00090	0.5131	mg/L	0.00090	0.17%
QC value within limits for Cadmium,7440-43-9 Recovery = 102.63%								
Calcium,7440-70-2	3326.4	5.158	mg/L	0.0196	5.158	mg/L	0.0196	0.38%
QC value within limits for Calcium,7440-70-2 Recovery = 103.15%								
Chromium,7440-47-3	84268.7	0.5096	mg/L	0.00065	0.5096	mg/L	0.00065	0.13%
QC value within limits for Chromium,7440-47-3 Recovery = 101.92%								
Cobalt,7440-48-4	31961.2	0.5108	mg/L	0.00213	0.5108	mg/L	0.00213	0.42%
QC value within limits for Cobalt,7440-48-4 Recovery = 102.16%								
Copper,7440-50-8	199381.3	0.5043	mg/L	0.00048	0.5043	mg/L	0.00048	0.10%
QC value within limits for Copper,7440-50-8 Recovery = 100.86%								
Iron,7439-89-6	2812.6	5.2031	mg/L	0.03079	5.2031	mg/L	0.03079	0.59%
QC value within limits for Iron,7439-89-6 Recovery = 104.06%								
Lead,7439-92-1	6463.4	0.5111	mg/L	0.00237	0.5111	mg/L	0.00237	0.46%
QC value within limits for Lead,7439-92-1 Recovery = 102.23%								
Lithium,7439-93-2	25343.4	0.5123	mg/L	0.00233	0.5123	mg/L	0.00233	0.46%
QC value within limits for Lithium,7439-93-2 Recovery = 102.45%								
Magnesium,7439-95-4	522.9	5.0519	mg/L	0.03375	5.0519	mg/L	0.03375	0.67%
QC value within limits for Magnesium,7439-95-4 Recovery = 101.04%								
Manganese, 7439-96-5	437376.6	0.512	mg/L	0.0002	0.512	mg/L	0.0002	0.03%
QC value within limits for Manganese, 7439-96-5 Recovery = 102.45%								
Molybdenum,7439-98-7	16858.4	0.5089	mg/L	0.00153	0.5089	mg/L	0.00153	0.30%
QC value within limits for Molybdenum,7439-98-7 Recovery = 101.77%								
Nickel,7440-02-0	31477.8	0.5134	mg/L	0.00214	0.5134	mg/L	0.00214	0.42%
QC value within limits for Nickel,7440-02-0 Recovery = 102.67%								
Potassium,7440-09-7	18707.8	10.423	mg/L	0.0405	10.423	mg/L	0.0405	0.39%
QC value within limits for Potassium,7440-09-7 Recovery = 104.23%								
Selenium,7782-49-2	1013.6	0.5269	mg/L	0.00786	0.5269	mg/L	0.00786	1.49%
QC value within limits for Selenium,7782-49-2 Recovery = 105.37%								
Silicon,7440-21-3	142.3	0.4802	mg/L	0.00896	0.4802	mg/L	0.00896	1.87%
QC value within limits for Silicon,7440-21-3 Recovery = 96.05%								
Silver,7440-22-4	162662.1	0.5200	mg/L	0.00117	0.5200	mg/L	0.00117	0.22%

QC value within limits for Silver,7440-22-4 Recovery = 103.99%
Sodium,7440-23-5 102561.7 20.937 mg/L 0.0484 20.937 mg/L 0.0484 0.23%
QC value within limits for Sodium,7440-23-5 Recovery = 104.68%
Strontium,7440-24-6 175055.7 0.5153 mg/L 0.00136 0.5153 mg/L 0.00136 0.26%
QC value within limits for Strontium,7440-24-6 Recovery = 103.06%
Thallium,7440-28-0 3552.3 0.5075 mg/L 0.00099 0.5075 mg/L 0.00099 0.19%
QC value within limits for Thallium,7440-28-0 Recovery = 101.50%
Tin,7440-31-5 5444.5 0.5082 mg/L 0.00096 0.5082 mg/L 0.00096 0.19%
QC value within limits for Tin,7440-31-5 Recovery = 101.64%
Titanium,7440-32-6 300461.8 0.5115 mg/L 0.00077 0.5115 mg/L 0.00077 0.15%
QC value within limits for Titanium,7440-32-6 Recovery = 102.30%
Vanadium,7440-62-2 63899.6 0.5012 mg/L 0.00040 0.5012 mg/L 0.00040 0.08%
QC value within limits for Vanadium,7440-62-2 Recovery = 100.25%
Zinc,7440-66-6 102290.5 0.5136 mg/L 0.00058 0.5136 mg/L 0.00058 0.11%
QC value within limits for Zinc,7440-66-6 Recovery = 102.72%
Zirconium,7440-67-7 249000.5 0.5105 mg/L 0.00122 0.5105 mg/L 0.00122 0.24%
QC value within limits for Zirconium,7440-67-7 Recovery = 102.10%
All analyte(s) passed QC.

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Sequence No.: 16 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/8/2006 1:16:42 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:16 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	85232.7	97.754	%	0.1817				0.19%
Ar 420.067 R	978388.0	98.686	%	0.0468				0.05%
Scandium-IS	3180853.8	98.305	%	0.9720				0.99%
Yttrium,7440-65-5A	1649517.2	98.180	%	0.9771				1.00%
Yttrium,7440-65-5R	46887.0	98.073	%	1.1185				1.14%
Aluminum,7429-90-5	-5.3	-0.023	mg/L	0.0113	-0.023	mg/L	0.0113	49.14%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0	-7.2	-0.0011	mg/L	0.00164	-0.0011	mg/L	0.00164	148.95%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2	-2.5	-0.0007	mg/L	0.00074	-0.0007	mg/L	0.00074	105.79%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3	-1.4	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	>999.9%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7	172.0	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	37.61%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8	1185.0	0.0190	mg/L	0.00217	0.0190	mg/L	0.00217	11.45%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9	18.3	0.0001	mg/L	0.00001	0.0001	mg/L	0.00001	16.79%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2	4.9	0.008	mg/L	0.0041	0.008	mg/L	0.0041	53.55%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								
Chromium,7440-47-3	-31.2	-0.0002	mg/L	0.00015	-0.0002	mg/L	0.00015	79.28%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated								
Cobalt,7440-48-4	6.6	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	71.04%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated								
Copper,7440-50-8	-206.8	-0.0005	mg/L	0.00036	-0.0005	mg/L	0.00036	68.31%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated								
Iron,7439-89-6	0.8	0.0014	mg/L	0.00369	0.0014	mg/L	0.00369	262.43%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated								
Lead,7439-92-1	3.0	0.0002	mg/L	0.00192	0.0002	mg/L	0.00192	830.98%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated								
Lithium,7439-93-2	89.2	0.0018	mg/L	0.00076	0.0018	mg/L	0.00076	42.09%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated								
Magnesium,7439-95-4	-6.7	-0.0646	mg/L	0.02081	-0.0646	mg/L	0.02081	32.19%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated								
Manganese, 7439-96-5	104.5	0.000	mg/L	0.0000	0.000	mg/L	0.0000	3.54%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated								
Molybdenum,7439-98-7	37.0	0.0011	mg/L	0.00041	0.0011	mg/L	0.00041	36.93%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated								
Nickel,7440-02-0	9.6	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	125.62%

QC value within limits for Nickel,7440-02-0 Recovery = Not calculated

Potassium,7440-09-7	85.7	0.0478 mg/L	0.00916	0.0478 mg/L	0.00916	19.17%

QC value within limits for Potassium,7440-09-7 Recovery = Not calculated

Selenium,7782-49-2	4.3	0.0022 mg/L	0.00395	0.0022 mg/L	0.00395	177.93%

QC value within limits for Selenium,7782-49-2 Recovery = Not calculated

Silicon,7440-21-3	4.3	0.0145 mg/L	0.00725	0.0145 mg/L	0.00725	49.88%

QC value within limits for Silicon,7440-21-3 Recovery = Not calculated

Silver,7440-22-4	65.7	0.0002 mg/L	0.00042	0.0002 mg/L	0.00042	223.00%

QC value within limits for Silver,7440-22-4 Recovery = Not calculated

Sodium,7440-23-5	-29.2	-0.0060 mg/L	0.00378	-0.0060 mg/L	0.00378	63.34%

QC value within limits for Sodium,7440-23-5 Recovery = Not calculated

Strontium,7440-24-6	30.6	0.0001 mg/L	0.00009	0.0001 mg/L	0.00009	98.90%

QC value within limits for Strontium,7440-24-6 Recovery = Not calculated

Thallium,7440-28-0	18.4	0.0026 mg/L	0.00115	0.0026 mg/L	0.00115	43.90%

QC value within limits for Thallium,7440-28-0 Recovery = Not calculated

Tin,7440-31-5	10.3	0.0010 mg/L	0.00076	0.0010 mg/L	0.00076	79.05%

QC value within limits for Tin,7440-31-5 Recovery = Not calculated

Titanium,7440-32-6	242.0	0.0004 mg/L	0.00012	0.0004 mg/L	0.00012	29.77%

QC value within limits for Titanium,7440-32-6 Recovery = Not calculated

Vanadium,7440-62-2	-198.1	-0.0016 mg/L	0.00035	-0.0016 mg/L	0.00035	22.60%

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6	13.5	0.0001 mg/L	0.00011	0.0001 mg/L	0.00011	165.66%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7	136.7	0.0003 mg/L	0.00029	0.0003 mg/L	0.00029	102.54%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated

All analyte(s) passed QC.

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Sequence No.: 17 **Autosampler Location: 17**
Sample ID: 436716 **Date Collected: 12/8/2006 1:23:25 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:18 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 436716

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	86195.5	98.858	%	0.2716				0.27%
Ar 420.067 R	989576.1	99.815	%	0.1109				0.11%
Scandium-IS	3233254.2	99.925	%	0.6210				0.62%
Yttrium,7440-65-5A	1677980.6	99.875	%	0.6824				0.68%
Yttrium,7440-65-5R	48397.6	101.23	%	0.505				0.50%
Aluminum,7429-90-5	-3.3	-0.014	mg/L	0.0186	-0.014	mg/L	0.0186	130.98%
Antimony,7440-36-0	-13.2	-0.0020	mg/L	0.00062	-0.0020	mg/L	0.00062	30.79%
Arsenic,7440-38-2	-0.1	-0.0001	mg/L	0.00070	-0.0001	mg/L	0.00070	>999.9%
Barium,7440-39-3	6.2	0.0000	mg/L	0.00009	0.0000	mg/L	0.00009	301.20%
Beryllium,7440-41-7	114.2	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	52.27%
Boron,7440-42-8	228.6	0.0037	mg/L	0.00029	0.0037	mg/L	0.00029	7.88%
Cadmium,7440-43-9	-14.0	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	113.24%
Calcium,7440-70-2	-4.3	-0.007	mg/L	0.0017	-0.007	mg/L	0.0017	25.44%
Chromium,7440-47-3	-46.6	-0.0003	mg/L	0.00004	-0.0003	mg/L	0.00004	14.08%
Cobalt,7440-48-4	-6.4	-0.0001	mg/L	0.00024	-0.0001	mg/L	0.00024	233.25%
Copper,7440-50-8	-353.4	-0.0009	mg/L	0.00021	-0.0009	mg/L	0.00021	23.08%
Iron,7439-89-6	-0.8	-0.0015	mg/L	0.00436	-0.0015	mg/L	0.00436	284.61%
Lead,7439-92-1	1.6	0.0001	mg/L	0.00024	0.0001	mg/L	0.00024	192.91%
Lithium,7439-93-2	-3.0	-0.0001	mg/L	0.00110	-0.0001	mg/L	0.00110	>999.9%
Magnesium,7439-95-4	-6.3	-0.0606	mg/L	0.01312	-0.0606	mg/L	0.01312	21.64%
Manganese, 7439-96-5	-154.8	0.000	mg/L	0.0000	0.000	mg/L	0.0000	13.39%
Molybdenum,7439-98-7	15.2	0.0005	mg/L	0.00033	0.0005	mg/L	0.00033	72.05%
Nickel,7440-02-0	-11.2	-0.0002	mg/L	0.00034	-0.0002	mg/L	0.00034	185.75%
Potassium,7440-09-7	-32.9	-0.0183	mg/L	0.02953	-0.0183	mg/L	0.02953	160.97%
Selenium,7782-49-2	-1.0	-0.0005	mg/L	0.00523	-0.0005	mg/L	0.00523	985.57%
Silicon,7440-21-3	3.7	0.0127	mg/L	0.00342	0.0127	mg/L	0.00342	26.99%
Silver,7440-22-4	-53.7	-0.0002	mg/L	0.00034	-0.0002	mg/L	0.00034	183.44%
Sodium,7440-23-5	-122.0	-0.0249	mg/L	0.00807	-0.0249	mg/L	0.00807	32.40%
Strontium,7440-24-6	28.7	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	49.53%
Thallium,7440-28-0	2.6	0.0004	mg/L	0.00086	0.0004	mg/L	0.00086	231.65%
Tin,7440-31-5	-52.1	-0.0049	mg/L	0.00064	-0.0049	mg/L	0.00064	13.22%
Titanium,7440-32-6	125.8	0.0002	mg/L	0.00009	0.0002	mg/L	0.00009	40.13%

Vanadium,7440-62-2	-170.7	-0.0013	mg/L	0.00015	-0.0013	mg/L	0.00015 11.19%
Zinc,7440-66-6	189.3	0.0010	mg/L	0.00006	0.0010	mg/L	0.00006 6.45%
Zirconium,7440-67-7	-287.4	-0.0006	mg/L	0.00009	-0.0006	mg/L	0.00009 16.07%

Sequence No.: 18
Sample ID: 436717
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 18
Date Collected: 12/8/2006 1:29:57 PM
Data Type: Reprocessed on 12/9/2006 9:17:20 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 436717

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	85931.4	98.556	%	0.1589				0.16%
Ar 420.067 R	984834.2	99.336	%	0.1277				0.13%
Scandium-IS	3233786.8	99.941	%	0.4955				0.50%
Yttrium,7440-65-5A	1672727.4	99.562	%	0.4410				0.44%
Yttrium,7440-65-5R	47830.9	100.05	%	0.886				0.89%
Aluminum,7429-90-5	1175.0	5.051	mg/L	0.0147	5.051	mg/L	0.0147	0.29%
Antimony,7440-36-0	3360.2	0.5077	mg/L	0.00118	0.5077	mg/L	0.00118	0.23%
Arsenic,7440-38-2	1876.6	0.5117	mg/L	0.00174	0.5117	mg/L	0.00174	0.34%
Barium,7440-39-3	106990.7	0.5043	mg/L	0.00274	0.5043	mg/L	0.00274	0.54%
Beryllium,7440-41-7	2200082.9	0.5046	mg/L	0.00223	0.5046	mg/L	0.00223	0.44%
Boron,7440-42-8	158262.6	2.5361	mg/L	0.01264	2.5361	mg/L	0.01264	0.50%
Cadmium,7440-43-9	142528.7	0.5099	mg/L	0.00260	0.5099	mg/L	0.00260	0.51%
Calcium,7440-70-2	3254.5	5.046	mg/L	0.0223	5.046	mg/L	0.0223	0.44%
Chromium,7440-47-3	83295.6	0.5037	mg/L	0.00167	0.5037	mg/L	0.00167	0.33%
Cobalt,7440-48-4	32023.9	0.5118	mg/L	0.00194	0.5118	mg/L	0.00194	0.38%
Copper,7440-50-8	197495.0	0.4995	mg/L	0.00269	0.4995	mg/L	0.00269	0.54%
Iron,7439-89-6	2777.6	5.1382	mg/L	0.02227	5.1382	mg/L	0.02227	0.43%
Lead,7439-92-1	6470.0	0.5117	mg/L	0.00101	0.5117	mg/L	0.00101	0.20%
Lithium,7439-93-2	24728.6	0.4998	mg/L	0.00581	0.4998	mg/L	0.00581	1.16%
Magnesium,7439-95-4	524.4	5.0670	mg/L	0.03266	5.0670	mg/L	0.03266	0.64%
Manganese, 7439-96-5	434994.7	0.509	mg/L	0.0025	0.509	mg/L	0.0025	0.50%
Molybdenum,7439-98-7	16908.2	0.5104	mg/L	0.00155	0.5104	mg/L	0.00155	0.30%
Nickel,7440-02-0	31571.3	0.5149	mg/L	0.00196	0.5149	mg/L	0.00196	0.38%
Potassium,7440-09-7	18382.3	10.242	mg/L	0.0874	10.242	mg/L	0.0874	0.85%
Selenium,7782-49-2	1019.5	0.5299	mg/L	0.00693	0.5299	mg/L	0.00693	1.31%
Silicon,7440-21-3	113.5	0.3825	mg/L	0.00791	0.3825	mg/L	0.00791	2.07%
Silver,7440-22-4	160136.2	0.5120	mg/L	0.00208	0.5120	mg/L	0.00208	0.41%
Sodium,7440-23-5	102147.0	20.852	mg/L	0.0708	20.852	mg/L	0.0708	0.34%
Strontium,7440-24-6	173613.4	0.5111	mg/L	0.00081	0.5111	mg/L	0.00081	0.16%
Thallium,7440-28-0	3535.8	0.5051	mg/L	0.00206	0.5051	mg/L	0.00206	0.41%
Tin,7440-31-5	5600.0	0.5227	mg/L	0.00270	0.5227	mg/L	0.00270	0.52%
Titanium,7440-32-6	300199.0	0.5111	mg/L	0.00206	0.5111	mg/L	0.00206	0.40%
Vanadium,7440-62-2	63427.0	0.4975	mg/L	0.00301	0.4975	mg/L	0.00301	0.60%
Zinc,7440-66-6	100949.7	0.5068	mg/L	0.00268	0.5068	mg/L	0.00268	0.53%
Zirconium,7440-67-7	8014.9	0.0159	mg/L	0.00243	0.0159	mg/L	0.00243	15.27%

Sequence No.: 19
Sample ID: 20612075401
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 19
Date Collected: 12/8/2006 1:36:38 PM
Data Type: Reprocessed on 12/9/2006 9:17:22 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: 20612075401

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	83320.3	95.561	%	0.2683				0.28%
Ar 420.067 R	975655.8	98.411	%	0.2556				0.26%
Scandium-IS	3184980.1	98.433	%	0.3728				0.38%
Yttrium,7440-65-5A	1642677.8	97.773	%	0.3298				0.34%
Yttrium,7440-65-5R	48070.3	100.55	%	0.898				0.89%
Aluminum,7429-90-5	543.2	2.334	mg/L	0.0320	2.334	mg/L	0.0320	1.37%
Antimony,7440-36-0	-15.1	-0.0023	mg/L	0.00050	-0.0023	mg/L	0.00050	21.89%

Arsenic,7440-38-2	0.3	0.0010 mg/L	0.00097	0.0010 mg/L	0.00097	93.34%
Barium,7440-39-3	22965.9	0.1082 mg/L	0.00039	0.1082 mg/L	0.00039	0.36%
Beryllium,7440-41-7	684.4	0.0001 mg/L	0.00002	0.0001 mg/L	0.00002	15.69%
Boron,7440-42-8	2772.8	0.0459 mg/L	0.00222	0.0459 mg/L	0.00222	4.84%
Cadmium,7440-43-9	-527.3	-0.0020 mg/L	0.00003	-0.0020 mg/L	0.00003	1.63%
Calcium,7440-70-2	27144.0	42.11 mg/L	0.631	42.11 mg/L	0.631	1.50%
Chromium,7440-47-3	718.2	0.0035 mg/L	0.00011	0.0035 mg/L	0.00011	3.12%
Cobalt,7440-48-4	76.3	0.0010 mg/L	0.00011	0.0010 mg/L	0.00011	10.81%
Copper,7440-50-8	2673.3	0.0055 mg/L	0.00049	0.0055 mg/L	0.00049	8.89%
Iron,7439-89-6	1453.3	2.6889 mg/L	0.01464	2.6889 mg/L	0.01464	0.54%
Lead,7439-92-1	30.0	0.0029 mg/L	0.00109	0.0029 mg/L	0.00109	37.28%
Lithium,7439-93-2	282.0	0.0058 mg/L	0.00131	0.0058 mg/L	0.00131	22.67%
Magnesium,7439-95-4	793.0	7.6605 mg/L	0.02345	7.6605 mg/L	0.02345	0.31%
Manganese, 7439-96-5	100082.2	0.117 mg/L	0.0004	0.117 mg/L	0.0004	0.37%
Molybdenum,7439-98-7	227.8	0.0068 mg/L	0.00043	0.0068 mg/L	0.00043	6.27%
Nickel,7440-02-0	281.9	0.0045 mg/L	0.00011	0.0045 mg/L	0.00011	2.46%
Potassium,7440-09-7	4445.4	2.4775 mg/L	0.04435	2.4775 mg/L	0.04435	1.79%
Selenium,7782-49-2	-18.9	-0.0073 mg/L	0.00102	-0.0073 mg/L	0.00102	14.12%
Silicon,7440-21-3	1387.4	4.7036 mg/L	0.00981	4.7036 mg/L	0.00981	0.21%
Silver,7440-22-4	-192.9	0.0000 mg/L	0.00032	0.0000 mg/L	0.00032	>999.9%
Sodium,7440-23-5	457878.5	93.479 mg/L	0.2469	93.479 mg/L	0.2469	0.26%
Strontium,7440-24-6	109495.5	0.3216 mg/L	0.00373	0.3216 mg/L	0.00373	1.16%
Thallium,7440-28-0	18.2	0.0030 mg/L	0.00216	0.0030 mg/L	0.00216	70.75%
Tin,7440-31-5	-166.8	-0.0145 mg/L	0.00054	-0.0145 mg/L	0.00054	3.72%
Titanium,7440-32-6	29253.2	0.0498 mg/L	0.00349	0.0498 mg/L	0.00349	7.00%
Vanadium,7440-62-2	196.2	0.0015 mg/L	0.00020	0.0015 mg/L	0.00020	13.05%
Zinc,7440-66-6	5539.8	0.0276 mg/L	0.00006	0.0276 mg/L	0.00006	0.21%
Zirconium,7440-67-7	-2774.8	-0.0052 mg/L	0.00012	-0.0052 mg/L	0.00012	2.26%

Sequence No.: 20 **Autosampler Location: 20**
Sample ID: 436718 **Date Collected: 12/8/2006 1:43:13 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:24 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 436718

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	83720.7	96.020	%	0.1996				0.21%
Ar 420.067 R	977590.2	98.606	%	0.0684				0.07%
Scandium-IS	3216220.1	99.398	%	0.2799				0.28%
Yttrium,7440-65-5A	1657479.2	98.654	%	0.3151				0.32%
Yttrium,7440-65-5R	48662.4	101.79	%	0.501				0.49%
Aluminum,7429-90-5	527.2	2.265	mg/L	0.0190	2.265	mg/L	0.0190	0.84%
Antimony,7440-36-0	-12.9	-0.0020	mg/L	0.00126	-0.0020	mg/L	0.00126	64.13%
Arsenic,7440-38-2	-7.2	-0.0010	mg/L	0.00241	-0.0010	mg/L	0.00241	246.69%
Barium,7440-39-3	22863.2	0.1077	mg/L	0.00056	0.1077	mg/L	0.00056	0.52%
Beryllium,7440-41-7	652.5	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	11.10%
Boron,7440-42-8	1854.9	0.0312	mg/L	0.00092	0.0312	mg/L	0.00092	2.96%
Cadmium,7440-43-9	-492.1	-0.0019	mg/L	0.00004	-0.0019	mg/L	0.00004	2.41%
Calcium,7440-70-2	27212.9	42.21	mg/L	0.218	42.21	mg/L	0.218	0.52%
Chromium,7440-47-3	683.8	0.0033	mg/L	0.00006	0.0033	mg/L	0.00006	1.80%
Cobalt,7440-48-4	72.7	0.0010	mg/L	0.00034	0.0010	mg/L	0.00034	34.22%
Copper,7440-50-8	2457.1	0.0050	mg/L	0.00018	0.0050	mg/L	0.00018	3.69%
Iron,7439-89-6	1456.6	2.6950	mg/L	0.01279	2.6950	mg/L	0.01279	0.47%
Lead,7439-92-1	23.8	0.0024	mg/L	0.00097	0.0024	mg/L	0.00097	39.89%
Lithium,7439-93-2	328.0	0.0067	mg/L	0.00028	0.0067	mg/L	0.00028	4.19%
Magnesium,7439-95-4	790.4	7.6360	mg/L	0.09585	7.6360	mg/L	0.09585	1.26%
Manganese, 7439-96-5	99671.5	0.117	mg/L	0.0004	0.117	mg/L	0.0004	0.34%
Molybdenum,7439-98-7	193.3	0.0058	mg/L	0.00050	0.0058	mg/L	0.00050	8.65%
Nickel,7440-02-0	285.6	0.0045	mg/L	0.00006	0.0045	mg/L	0.00006	1.35%
Potassium,7440-09-7	4367.1	2.4339	mg/L	0.03603	2.4339	mg/L	0.03603	1.48%
Selenium,7782-49-2	-20.1	-0.0079	mg/L	0.00469	-0.0079	mg/L	0.00469	59.49%
Silicon,7440-21-3	1341.0	4.5459	mg/L	0.00718	4.5459	mg/L	0.00718	0.16%
Silver,7440-22-4	-202.6	0.0000	mg/L	0.00029	0.0000	mg/L	0.00029	>999.9%
Sodium,7440-23-5	451938.5	92.267	mg/L	0.7673	92.267	mg/L	0.7673	0.83%
Strontium,7440-24-6	109398.1	0.3213	mg/L	0.00098	0.3213	mg/L	0.00098	0.30%
Thallium,7440-28-0	6.6	0.0014	mg/L	0.00157	0.0014	mg/L	0.00157	115.43%

001445

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Tin,7440-31-5	-183.9	-0.0161	mg/L	0.00155	-0.0161	mg/L	0.00155	9.62%
Titanium,7440-32-6	24222.7	0.0412	mg/L	0.00160	0.0412	mg/L	0.00160	3.87%
Vanadium,7440-62-2	204.8	0.0016	mg/L	0.00005	0.0016	mg/L	0.00005	3.05%
Zinc,7440-66-6	5579.6	0.0278	mg/L	0.00025	0.0278	mg/L	0.00025	0.90%
Zirconium,7440-67-7	-2738.3	-0.0051	mg/L	0.00012	-0.0051	mg/L	0.00012	2.39%

Sequence No.: 21 **Autosampler Location: 21**
Sample ID: 436719 **Date Collected: 12/8/2006 1:49:49 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:26 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 436719

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	82804.4	94.969	%	0.0922				0.10%
Ar 420.067 R	974003.1	98.244	%	0.1074				0.11%
Scandium-IS	3148635.4	97.309	%	0.7502				0.77%
Yttrium,7440-65-5A	1622503.6	96.573	%	0.7395				0.77%
Yttrium,7440-65-5R	47867.4	100.12	%	1.023				1.02%
Aluminum,7429-90-5	2058.5	8.847	mg/L	0.0614	8.847	mg/L	0.0614	0.69%
Antimony,7440-36-0	3331.1	0.5032	mg/L	0.00245	0.5032	mg/L	0.00245	0.49%
Arsenic,7440-38-2	1903.4	0.5204	mg/L	0.00296	0.5204	mg/L	0.00296	0.57%
Barium,7440-39-3	130317.7	0.6142	mg/L	0.00402	0.6142	mg/L	0.00402	0.66%
Beryllium,7440-41-7	2232513.2	0.5121	mg/L	0.00232	0.5121	mg/L	0.00232	0.45%
Boron,7440-42-8	163112.7	2.6157	mg/L	0.02455	2.6157	mg/L	0.02455	0.94%
Cadmium,7440-43-9	138969.2	0.4970	mg/L	0.00311	0.4970	mg/L	0.00311	0.63%
Calcium,7440-70-2	30654.5	47.55	mg/L	0.221	47.55	mg/L	0.221	0.46%
Chromium,7440-47-3	83640.7	0.5048	mg/L	0.00258	0.5048	mg/L	0.00258	0.51%
Cobalt,7440-48-4	31977.4	0.5108	mg/L	0.00225	0.5108	mg/L	0.00225	0.44%
Copper,7440-50-8	207754.0	0.5241	mg/L	0.00334	0.5241	mg/L	0.00334	0.64%
Iron,7439-89-6	4621.5	8.5498	mg/L	0.03728	8.5498	mg/L	0.03728	0.44%
Lead,7439-92-1	6415.3	0.5081	mg/L	0.00222	0.5081	mg/L	0.00222	0.44%
Lithium,7439-93-2	25319.8	0.5119	mg/L	0.00241	0.5119	mg/L	0.00241	0.47%
Magnesium,7439-95-4	1338.5	12.932	mg/L	0.0614	12.932	mg/L	0.0614	0.47%
Manganese, 7439-96-5	537981.2	0.630	mg/L	0.0039	0.630	mg/L	0.0039	0.62%
Molybdenum,7439-98-7	17286.7	0.5217	mg/L	0.00264	0.5217	mg/L	0.00264	0.51%
Nickel,7440-02-0	31373.7	0.5115	mg/L	0.00205	0.5115	mg/L	0.00205	0.40%
Potassium,7440-09-7	23490.2	13.088	mg/L	0.0873	13.088	mg/L	0.0873	0.67%
Selenium,7782-49-2	1025.2	0.5359	mg/L	0.00147	0.5359	mg/L	0.00147	0.27%
Silicon,7440-21-3	2161.3	7.3266	mg/L	0.06154	7.3266	mg/L	0.06154	0.84%
Silver,7440-22-4	160623.4	0.5146	mg/L	0.00335	0.5146	mg/L	0.00335	0.65%
Sodium,7440-23-5	556611.7	113.63	mg/L	0.735	113.63	mg/L	0.735	0.65%
Strontium,7440-24-6	286294.8	0.8420	mg/L	0.00554	0.8420	mg/L	0.00554	0.66%
Thallium,7440-28-0	3525.6	0.5042	mg/L	0.00100	0.5042	mg/L	0.00100	0.20%
Tin,7440-31-5	5526.9	0.5170	mg/L	0.00252	0.5170	mg/L	0.00252	0.49%
Titanium,7440-32-6	328480.5	0.5592	mg/L	0.00337	0.5592	mg/L	0.00337	0.60%
Vanadium,7440-62-2	65613.4	0.5146	mg/L	0.00366	0.5146	mg/L	0.00366	0.71%
Zinc,7440-66-6	105660.5	0.5301	mg/L	0.00364	0.5301	mg/L	0.00364	0.69%
Zirconium,7440-67-7	1774.9	0.0035	mg/L	0.00069	0.0035	mg/L	0.00069	19.34%

Sequence No.: 22 **Autosampler Location: 22**
Sample ID: 436834 **Date Collected: 12/8/2006 1:56:29 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:28 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 436834

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	83640.2	95.928	%	0.1802				0.19%
Ar 420.067 R	976672.7	98.513	%	0.1235				0.13%
Scandium-IS	3231210.4	99.861	%	0.7803				0.78%
Yttrium,7440-65-5A	1661721.5	98.907	%	0.7551				0.76%
Yttrium,7440-65-5R	48624.0	101.71	%	1.264				1.24%

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Aluminum,7429-90-5	1734.5	7.455	mg/L	0.0133	7.455	mg/L	0.0133	0.18%
Antimony,7440-36-0	3343.1	0.5052	mg/L	0.00367	0.5052	mg/L	0.00367	0.73%
Arsenic,7440-38-2	1894.8	0.5175	mg/L	0.00181	0.5175	mg/L	0.00181	0.35%
Barium,7440-39-3	128780.5	0.6069	mg/L	0.00628	0.6069	mg/L	0.00628	1.04%
Beryllium,7440-41-7	2196931.1	0.5039	mg/L	0.00427	0.5039	mg/L	0.00427	0.85%
Boron,7440-42-8	162306.4	2.6024	mg/L	0.02053	2.6024	mg/L	0.02053	0.79%
Cadmium,7440-43-9	138694.1	0.4960	mg/L	0.00542	0.4960	mg/L	0.00542	1.09%
Calcium,7440-70-2	30967.8	48.04	mg/L	0.167	48.04	mg/L	0.167	0.35%
Chromium,7440-47-3	82442.0	0.4978	mg/L	0.00502	0.4978	mg/L	0.00502	1.01%
Cobalt,7440-48-4	31542.1	0.5039	mg/L	0.00194	0.5039	mg/L	0.00194	0.39%
Copper,7440-50-8	203513.1	0.5136	mg/L	0.00458	0.5136	mg/L	0.00458	0.89%
Iron,7439-89-6	4253.3	7.8688	mg/L	0.02449	7.8688	mg/L	0.02449	0.31%
Lead,7439-92-1	6332.3	0.5013	mg/L	0.00276	0.5013	mg/L	0.00276	0.55%
Lithium,7439-93-2	24868.1	0.5027	mg/L	0.00544	0.5027	mg/L	0.00544	1.08%
Magnesium,7439-95-4	1316.4	12.718	mg/L	0.0257	12.718	mg/L	0.0257	0.20%
Manganese, 7439-96-5	528589.4	0.619	mg/L	0.0059	0.619	mg/L	0.0059	0.95%
Molybdenum,7439-98-7	16796.9	0.5069	mg/L	0.00252	0.5069	mg/L	0.00252	0.50%
Nickel,7440-02-0	30971.0	0.5049	mg/L	0.00198	0.5049	mg/L	0.00198	0.39%
Potassium,7440-09-7	22991.7	12.811	mg/L	0.1926	12.811	mg/L	0.1926	1.50%
Selenium,7782-49-2	1021.1	0.5333	mg/L	0.00696	0.5333	mg/L	0.00696	1.30%
Silicon,7440-21-3	1556.1	5.2731	mg/L	0.02719	5.2731	mg/L	0.02719	0.52%
Silver,7440-22-4	156780.9	0.5021	mg/L	0.00388	0.5021	mg/L	0.00388	0.77%
Sodium,7440-23-5	558672.3	114.06	mg/L	1.210	114.06	mg/L	1.210	1.06%
Strontium,7440-24-6	284173.9	0.8358	mg/L	0.01063	0.8358	mg/L	0.01063	1.27%
Thallium,7440-28-0	3531.8	0.5050	mg/L	0.00294	0.5050	mg/L	0.00294	0.58%
Tin,7440-31-5	5407.3	0.5058	mg/L	0.00308	0.5058	mg/L	0.00308	0.61%
Titanium,7440-32-6	322501.8	0.5490	mg/L	0.00699	0.5490	mg/L	0.00699	1.27%
Vanadium,7440-62-2	64289.8	0.5043	mg/L	0.00442	0.5043	mg/L	0.00442	0.88%
Zinc,7440-66-6	105632.5	0.5301	mg/L	0.00602	0.5301	mg/L	0.00602	1.13%
Zirconium,7440-67-7	-746.8	-0.0016	mg/L	0.00027	-0.0016	mg/L	0.00027	16.54%

Sequence No.: 23
Sample ID: 436835
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 5X

Autosampler Location: 23
Date Collected: 12/8/2006 2:02:59 PM
Data Type: Reprocessed on 12/9/2006 9:17:30 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: 436835

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	84352.4	96.745	%	0.1383				0.14%
Ar 420.067 R	976684.7	98.514	%	0.1642				0.17%
Scandium-IS	3184941.1	98.431	%	0.9017				0.92%
Yttrium,7440-65-5A	1647013.0	98.031	%	0.8886				0.91%
Yttrium,7440-65-5R	47200.5	98.729	%	1.2498				1.27%
Aluminum,7429-90-5	109.3	0.469	mg/L	0.0144	2.347	mg/L	0.0718	3.06%
Antimony,7440-36-0	-6.9	-0.0010	mg/L	0.00083	-0.0052	mg/L	0.00415	79.10%
Arsenic,7440-38-2	2.5	0.0008	mg/L	0.00070	0.0040	mg/L	0.00351	87.04%
Barium,7440-39-3	4625.3	0.0218	mg/L	0.00015	0.1090	mg/L	0.00073	0.67%
Beryllium,7440-41-7	335.5	0.0001	mg/L	0.00002	0.0004	mg/L	0.00009	23.86%
Boron,7440-42-8	1815.6	0.0294	mg/L	0.00196	0.1468	mg/L	0.00982	6.69%
Cadmium,7440-43-9	-97.8	-0.0004	mg/L	0.00004	-0.0019	mg/L	0.00020	10.93%
Calcium,7440-70-2	5427.9	8.420	mg/L	0.0270	42.10	mg/L	0.135	0.32%
Chromium,7440-47-3	106.9	0.0005	mg/L	0.00015	0.0024	mg/L	0.00077	32.37%
Cobalt,7440-48-4	30.0	0.0004	mg/L	0.00010	0.0022	mg/L	0.00049	22.28%
Copper,7440-50-8	555.9	0.0012	mg/L	0.00014	0.0058	mg/L	0.00071	12.22%
Iron,7439-89-6	296.1	0.5479	mg/L	0.00412	2.7395	mg/L	0.02058	0.75%
Lead,7439-92-1	5.8	0.0006	mg/L	0.00087	0.0029	mg/L	0.00434	152.06%
Lithium,7439-93-2	150.1	0.0031	mg/L	0.00132	0.0153	mg/L	0.00659	43.20%
Magnesium,7439-95-4	157.3	1.5192	mg/L	0.04176	7.5960	mg/L	0.20881	2.75%
Manganese, 7439-96-5	20788.9	0.024	mg/L	0.0001	0.122	mg/L	0.0003	0.28%
Molybdenum,7439-98-7	103.8	0.0031	mg/L	0.00030	0.0156	mg/L	0.00150	9.64%
Nickel,7440-02-0	72.3	0.0011	mg/L	0.00028	0.0057	mg/L	0.00142	24.62%
Potassium,7440-09-7	956.5	0.5331	mg/L	0.04178	2.6653	mg/L	0.20891	7.84%
Selenium,7782-49-2	-7.4	-0.0033	mg/L	0.00231	-0.0165	mg/L	0.01156	70.22%
Silicon,7440-21-3	287.4	0.9743	mg/L	0.00432	4.8715	mg/L	0.02162	0.44%
Silver,7440-22-4	61.5	0.0003	mg/L	0.00023	0.0015	mg/L	0.00114	76.69%
Sodium,7440-23-5	93050.3	18.997	mg/L	0.0562	94.985	mg/L	0.2810	0.30%

Strontium,7440-24-6	21789.6	0.0640	mg/L	0.00069	0.3200	mg/L	0.00345	1.08%
Thallium,7440-28-0	38.9	0.0056	mg/L	0.00124	0.0281	mg/L	0.00622	22.17%
Tin,7440-31-5	-25.3	-0.0021	mg/L	0.00132	-0.0107	mg/L	0.00658	61.39%
Titanium,7440-32-6	6570.7	0.0112	mg/L	0.00186	0.0559	mg/L	0.00929	16.61%
Vanadium,7440-62-2	-193.9	-0.0015	mg/L	0.00019	-0.0076	mg/L	0.00093	12.23%
Zinc,7440-66-6	1124.5	0.0056	mg/L	0.00010	0.0280	mg/L	0.00049	1.76%
Zirconium,7440-67-7	-1142.8	-0.0023	mg/L	0.00010	-0.0113	mg/L	0.00050	4.48%

Sequence No.: 24 **Autosampler Location: 24**
Sample ID: 20612071901 **Date Collected: 12/8/2006 2:09:36 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:32 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol:**

Mean Data: 20612071901

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	79892.9	91.630	%	0.1199				0.13%
Ar 420.067 R	957308.2	96.560	%	0.0431				0.04%
Scandium-IS	3169347.6	97.950	%	0.6887				0.70%
Yttrium,7440-65-5A	1631912.6	97.133	%	0.7436				0.77%
Yttrium,7440-65-5R	47542.7	99.445	%	0.8811				0.89%
Aluminum,7429-90-5	38.6	0.166	mg/L	0.0100	0.166	mg/L	0.0100	6.01%
Antimony,7440-36-0	-25.7	-0.0040	mg/L	0.00158	-0.0040	mg/L	0.00158	39.12%
Arsenic,7440-38-2	-20.5	-0.0044	mg/L	0.00117	-0.0044	mg/L	0.00117	26.48%
Barium,7440-39-3	45052.5	0.2120	mg/L	0.00188	0.2120	mg/L	0.00188	0.89%
Beryllium,7440-41-7	-28.6	-0.0001	mg/L	0.00001	-0.0001	mg/L	0.00001	7.23%
Boron,7440-42-8	12511.9	0.2001	mg/L	0.00273	0.2001	mg/L	0.00273	1.37%
Cadmium,7440-43-9	-1247.7	-0.0047	mg/L	0.00014	-0.0047	mg/L	0.00014	2.98%
Calcium,7440-70-2	109170.4	169.4	mg/L	0.90	169.4	mg/L	0.90	0.53%
Chromium,7440-47-3	1827.6	0.0078	mg/L	0.00010	0.0078	mg/L	0.00010	1.26%
Cobalt,7440-48-4	35.1	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	125.70%
Copper,7440-50-8	128929.3	0.3266	mg/L	0.00257	0.3266	mg/L	0.00257	0.79%
Iron,7439-89-6	182.6	0.3378	mg/L	0.00606	0.3378	mg/L	0.00606	1.79%
Lead,7439-92-1	51.8	0.0043	mg/L	0.00069	0.0043	mg/L	0.00069	16.13%
Lithium,7439-93-2	977.2	0.0201	mg/L	0.00209	0.0201	mg/L	0.00209	10.39%
Magnesium,7439-95-4	5559.8	53.701	mg/L	0.1239	53.701	mg/L	0.1239	0.23%
Manganese, 7439-96-5	41011.3	0.048	mg/L	0.0004	0.048	mg/L	0.0004	0.81%
Molybdenum,7439-98-7	320.1	0.0092	mg/L	0.00033	0.0092	mg/L	0.00033	3.62%
Nickel,7440-02-0	484.0	0.0078	mg/L	0.00017	0.0078	mg/L	0.00017	2.16%
Potassium,7440-09-7	50446.9	28.115	mg/L	0.0988	28.115	mg/L	0.0988	0.35%
Selenium,7782-49-2	-22.5	-0.0088	mg/L	0.00170	-0.0088	mg/L	0.00170	19.28%
Silicon,7440-21-3	3194.6	10.811	mg/L	0.0272	10.811	mg/L	0.0272	0.25%
Silver,7440-22-4	6343.4	0.0184	mg/L	0.00039	0.0184	mg/L	0.00039	2.11%
Sodium,7440-23-5	510624.9	104.24	mg/L	0.228	104.24	mg/L	0.228	0.22%
Strontium,7440-24-6	258890.7	0.7589	mg/L	0.00385	0.7589	mg/L	0.00385	0.51%
Thallium,7440-28-0	15.5	0.0022	mg/L	0.00081	0.0022	mg/L	0.00081	36.44%
Tin,7440-31-5	-207.1	-0.0146	mg/L	0.00072	-0.0146	mg/L	0.00072	4.93%
Titanium,7440-32-6	3292.2	0.0056	mg/L	0.00043	0.0056	mg/L	0.00043	7.61%
Vanadium,7440-62-2	-1584.6	-0.0107	mg/L	0.00136	-0.0107	mg/L	0.00136	12.71%
Zinc,7440-66-6	57309.7	0.2885	mg/L	0.00156	0.2885	mg/L	0.00156	0.54%
Zirconium,7440-67-7	-5545.6	-0.0093	mg/L	0.00012	-0.0093	mg/L	0.00012	1.34%

Sequence No.: 25 **Autosampler Location: 25**
Sample ID: --- **Date Collected: 12/8/2006 2:16:18 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:34 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
Ar 363.268 A	84922.5	97.398	%	0.1102				0.11%
Ar 420.067 R	977944.3	98.641	%	0.0524				0.05%
Scandium-IS	3188704.3	98.548	%	0.7516				0.76%

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Yttrium,7440-65-5A	1653355.2	98.409	%	0.7372			0.75%
Yttrium,7440-65-5R	47716.5	99.808	%	0.2013			0.20%
Aluminum,7429-90-5	-4.0	-0.017	mg/L	0.0064	-0.017 mg/L	0.0064	37.10%
Antimony,7440-36-0	-10.6	-0.0016	mg/L	0.00070	-0.0016 mg/L	0.00070	43.46%
Arsenic,7440-38-2	-5.3	-0.0015	mg/L	0.00063	-0.0015 mg/L	0.00063	43.35%
Barium,7440-39-3	12.7	0.0001	mg/L	0.00001	0.0001 mg/L	0.00001	12.79%
Beryllium,7440-41-7	166.1	0.0000	mg/L	0.00001	0.0000 mg/L	0.00001	31.67%
Boron,7440-42-8	187.0	0.0030	mg/L	0.00026	0.0030 mg/L	0.00026	8.57%
Cadmium,7440-43-9	-1.6	0.0000	mg/L	0.00008	0.0000 mg/L	0.00008	>999.9%
Calcium,7440-70-2	6.1	0.009	mg/L	0.0083	0.009 mg/L	0.0083	87.37%
Chromium,7440-47-3	-34.7	-0.0002	mg/L	0.00022	-0.0002 mg/L	0.00022	102.23%
Cobalt,7440-48-4	-6.1	-0.0001	mg/L	0.00004	-0.0001 mg/L	0.00004	42.37%
Copper,7440-50-8	-171.2	-0.0004	mg/L	0.00020	-0.0004 mg/L	0.00020	46.90%
Iron,7439-89-6	-0.3	-0.0006	mg/L	0.00110	-0.0006 mg/L	0.00110	172.50%
Lead,7439-92-1	-7.9	-0.0006	mg/L	0.00102	-0.0006 mg/L	0.00102	162.54%
Lithium,7439-93-2	85.2	0.0017	mg/L	0.00148	0.0017 mg/L	0.00148	86.10%
Magnesium,7439-95-4	-4.9	-0.0476	mg/L	0.03161	-0.0476 mg/L	0.03161	66.46%
Manganese, 7439-96-5	383.0	0.000	mg/L	0.0000	0.000 mg/L	0.0000	2.75%
Molybdenum,7439-98-7	17.0	0.0005	mg/L	0.00017	0.0005 mg/L	0.00017	33.07%
Nickel,7440-02-0	28.1	0.0005	mg/L	0.00020	0.0005 mg/L	0.00020	43.93%
Potassium,7440-09-7	100.4	0.0560	mg/L	0.02641	0.0560 mg/L	0.02641	47.19%
Selenium,7782-49-2	0.7	0.0004	mg/L	0.00525	0.0004 mg/L	0.00525	>999.9%
Silicon,7440-21-3	6.5	0.0220	mg/L	0.00407	0.0220 mg/L	0.00407	18.47%
Silver,7440-22-4	67.0	0.0002	mg/L	0.00011	0.0002 mg/L	0.00011	61.44%
Sodium,7440-23-5	432.5	0.0883	mg/L	0.01261	0.0883 mg/L	0.01261	14.28%
Strontium,7440-24-6	46.3	0.0001	mg/L	0.00004	0.0001 mg/L	0.00004	28.59%
Thallium,7440-28-0	10.6	0.0015	mg/L	0.00155	0.0015 mg/L	0.00155	103.46%
Tin,7440-31-5	-8.0	-0.0007	mg/L	0.00083	-0.0007 mg/L	0.00083	112.03%
Titanium,7440-32-6	153.3	0.0003	mg/L	0.00013	0.0003 mg/L	0.00013	50.64%
Vanadium,7440-62-2	-242.7	-0.0019	mg/L	0.00012	-0.0019 mg/L	0.00012	6.07%
Zinc,7440-66-6	-17.5	-0.0001	mg/L	0.00003	-0.0001 mg/L	0.00003	30.76%
Zirconium,7440-67-7	-396.6	-0.0008	mg/L	0.00013	-0.0008 mg/L	0.00013	16.07%

Sequence No.: 26 **Autosampler Location: 7**
Sample ID: 1800 **Date Collected: 12/8/2006 2:28:14 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:36 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	84277.0	96.658	%	0.2100				0.22%
Ar 420.067 R	973285.6	98.172	%	0.2479				0.25%
Scandium-IS	3194168.1	98.717	%	0.5052				0.51%
Yttrium,7440-65-5A	1649910.3	98.204	%	0.4533				0.46%
Yttrium,7440-65-5R	47339.3	99.019	%	1.4963				1.51%
Aluminum,7429-90-5	1182.1	5.082	mg/L	0.0237	5.082	mg/L	0.0237	0.47%
QC value within limits for Aluminum,7429-90-5 Recovery = 101.63%								
Antimony,7440-36-0	3303.8	0.4990	mg/L	0.00126	0.4990	mg/L	0.00126	0.25%
QC value within limits for Antimony,7440-36-0 Recovery = 99.80%								
Arsenic,7440-38-2	1876.0	0.5115	mg/L	0.00199	0.5115	mg/L	0.00199	0.39%
QC value within limits for Arsenic,7440-38-2 Recovery = 102.31%								
Barium,7440-39-3	108030.9	0.5092	mg/L	0.00214	0.5092	mg/L	0.00214	0.42%
QC value within limits for Barium,7440-39-3 Recovery = 101.84%								
Beryllium,7440-41-7	2230656.7	0.5117	mg/L	0.00240	0.5117	mg/L	0.00240	0.47%
QC value within limits for Beryllium,7440-41-7 Recovery = 102.33%								
Boron,7440-42-8	158850.0	2.5456	mg/L	0.01448	2.5456	mg/L	0.01448	0.57%
QC value within limits for Boron,7440-42-8 Recovery = 101.82%								
Cadmium,7440-43-9	142385.4	0.5093	mg/L	0.00246	0.5093	mg/L	0.00246	0.48%
QC value within limits for Cadmium,7440-43-9 Recovery = 101.87%								
Calcium,7440-70-2	3282.1	5.089	mg/L	0.0163	5.089	mg/L	0.0163	0.32%
QC value within limits for Calcium,7440-70-2 Recovery = 101.78%								
Chromium,7440-47-3	83869.1	0.5072	mg/L	0.00211	0.5072	mg/L	0.00211	0.42%
QC value within limits for Chromium,7440-47-3 Recovery = 101.43%								
Cobalt,7440-48-4	31822.9	0.5086	mg/L	0.00150	0.5086	mg/L	0.00150	0.29%
QC value within limits for Cobalt,7440-48-4 Recovery = 101.72%								
Copper,7440-50-8	200254.5	0.5065	mg/L	0.00230	0.5065	mg/L	0.00230	0.45%

035537

QC value within limits for Copper,7440-50-8 Recovery = 101.31%

Iron,7439-89-6	2788.1	5.1577 mg/L	0.01685	5.1577 mg/L	0.01685	0.33%

QC value within limits for Iron,7439-89-6 Recovery = 103.15%

Lead,7439-92-1	6420.9	0.5078 mg/L	0.00140	0.5078 mg/L	0.00140	0.28%

QC value within limits for Lead,7439-92-1 Recovery = 101.55%

Lithium,7439-93-2	25416.2	0.5137 mg/L	0.00452	0.5137 mg/L	0.00452	0.88%

QC value within limits for Lithium,7439-93-2 Recovery = 102.75%

Magnesium,7439-95-4	526.9	5.0911 mg/L	0.04300	5.0911 mg/L	0.04300	0.84%

QC value within limits for Magnesium,7439-95-4 Recovery = 101.82%

Manganese, 7439-96-5	437246.3	0.512 mg/L	0.0023	0.512 mg/L	0.0023	0.44%

QC value within limits for Manganese, 7439-96-5 Recovery = 102.42%

Molybdenum,7439-98-7	16789.9	0.5068 mg/L	0.00154	0.5068 mg/L	0.00154	0.30%

QC value within limits for Molybdenum,7439-98-7 Recovery = 101.36%

Nickel,7440-02-0	31293.5	0.5104 mg/L	0.00187	0.5104 mg/L	0.00187	0.37%

QC value within limits for Nickel,7440-02-0 Recovery = 102.07%

Potassium,7440-09-7	18614.1	10.371 mg/L	0.0866	10.371 mg/L	0.0866	0.83%

QC value within limits for Potassium,7440-09-7 Recovery = 103.71%

Selenium,7782-49-2	1000.0	0.5198 mg/L	0.00579	0.5198 mg/L	0.00579	1.11%

QC value within limits for Selenium,7782-49-2 Recovery = 103.96%

Silicon,7440-21-3	143.5	0.4844 mg/L	0.00689	0.4844 mg/L	0.00689	1.42%

QC value within limits for Silicon,7440-21-3 Recovery = 96.88%

Silver,7440-22-4	162892.2	0.5207 mg/L	0.00233	0.5207 mg/L	0.00233	0.45%

QC value within limits for Silver,7440-22-4 Recovery = 104.13%

Sodium,7440-23-5	102889.8	21.004 mg/L	0.2225	21.004 mg/L	0.2225	1.06%

QC value within limits for Sodium,7440-23-5 Recovery = 105.02%

Strontium,7440-24-6	174539.4	0.5138 mg/L	0.00348	0.5138 mg/L	0.00348	0.68%

QC value within limits for Strontium,7440-24-6 Recovery = 102.76%

Thallium,7440-28-0	3539.1	0.5056 mg/L	0.00073	0.5056 mg/L	0.00073	0.14%

QC value within limits for Thallium,7440-28-0 Recovery = 101.12%

Tin,7440-31-5	5435.0	0.5073 mg/L	0.00350	0.5073 mg/L	0.00350	0.69%

QC value within limits for Tin,7440-31-5 Recovery = 101.46%

Titanium,7440-32-6	301421.7	0.5132 mg/L	0.00244	0.5132 mg/L	0.00244	0.48%

QC value within limits for Titanium,7440-32-6 Recovery = 102.63%

Vanadium,7440-62-2	63679.9	0.4995 mg/L	0.00313	0.4995 mg/L	0.00313	0.63%

QC value within limits for Vanadium,7440-62-2 Recovery = 99.90%

Zinc,7440-66-6	102083.9	0.5126 mg/L	0.00270	0.5126 mg/L	0.00270	0.53%

QC value within limits for Zinc,7440-66-6 Recovery = 102.51%

Zirconium,7440-67-7	244149.8	0.5006 mg/L	0.00225	0.5006 mg/L	0.00225	0.45%

QC value within limits for Zirconium,7440-67-7 Recovery = 100.11%

All analyte(s) passed QC.

Sequence No.: 27 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/8/2006 2:34:58 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:38 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	85308.8	97.842	%	0.2391				0.24%
Ar 420.067 R	976295.8	98.475	%	0.1088				0.11%
Scandium-IS	3220625.7	99.534	%	0.3387				0.34%
Yttrium,7440-65-5A	1669427.2	99.365	%	0.4275				0.43%
Yttrium,7440-65-5R	48070.4	100.55	%	1.023				1.02%
Aluminum,7429-90-5	0.4	0.002	mg/L	0.0327	0.002	mg/L	0.0327	>999.9%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0	-7.2	-0.0011	mg/L	0.00186	-0.0011	mg/L	0.00186	169.04%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2	2.6	0.0007	mg/L	0.00109	0.0007	mg/L	0.00109	163.19%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3	5.5	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	259.94%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7	141.3	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	15.19%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8	1118.6	0.0179	mg/L	0.00162	0.0179	mg/L	0.00162	9.03%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9	-13.1	0.0000	mg/L	0.00004	0.0000	mg/L	0.00004	88.17%

035538

QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated
Calcium,7440-70-2 1.3 0.002 mg/L 0.0016 0.002 mg/L 0.0016 76.38%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated
Chromium,7440-47-3 -68.5 -0.0004 mg/L 0.00019 -0.0004 mg/L 0.00019 46.43%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated
Cobalt,7440-48-4 15.1 0.0002 mg/L 0.00008 0.0002 mg/L 0.00008 34.61%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated
Copper,7440-50-8 46.1 0.0001 mg/L 0.00020 0.0001 mg/L 0.00020 170.71%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated
Iron,7439-89-6 1.8 0.0034 mg/L 0.00269 0.0034 mg/L 0.00269 79.76%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated
Lead,7439-92-1 -8.7 -0.0007 mg/L 0.00038 -0.0007 mg/L 0.00038 55.07%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated
Lithium,7439-93-2 62.5 0.0013 mg/L 0.00191 0.0013 mg/L 0.00191 150.91%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated
Magnesium,7439-95-4 -5.9 -0.0568 mg/L 0.01462 -0.0568 mg/L 0.01462 25.72%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated
Manganese, 7439-96-5 233.3 0.000 mg/L 0.0000 0.000 mg/L 0.0000 6.32%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated
Molybdenum,7439-98-7 31.5 0.0010 mg/L 0.00039 0.0010 mg/L 0.00039 40.97%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated
Nickel,7440-02-0 26.0 0.0004 mg/L 0.00023 0.0004 mg/L 0.00023 54.66%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated
Potassium,7440-09-7 22.2 0.0124 mg/L 0.01630 0.0124 mg/L 0.01630 131.83%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated
Selenium,7782-49-2 6.8 0.0035 mg/L 0.00324 0.0035 mg/L 0.00324 91.40%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated
Silicon,7440-21-3 6.6 0.0223 mg/L 0.01394 0.0223 mg/L 0.01394 62.56%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated
Silver,7440-22-4 52.9 0.0002 mg/L 0.00022 0.0002 mg/L 0.00022 145.70%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated
Sodium,7440-23-5 83.3 0.0170 mg/L 0.00157 0.0170 mg/L 0.00157 9.23%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated
Strontium,7440-24-6 54.2 0.0002 mg/L 0.00013 0.0002 mg/L 0.00013 82.90%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated
Thallium,7440-28-0 14.8 0.0021 mg/L 0.00118 0.0021 mg/L 0.00118 55.92%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated
Tin,7440-31-5 12.3 0.0011 mg/L 0.00046 0.0011 mg/L 0.00046 40.53%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated
Titanium,7440-32-6 192.1 0.0003 mg/L 0.00009 0.0003 mg/L 0.00009 28.92%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated
Vanadium,7440-62-2 -170.8 -0.0013 mg/L 0.00032 -0.0013 mg/L 0.00032 23.85%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated
Zinc,7440-66-6 -25.3 -0.0001 mg/L 0.00007 -0.0001 mg/L 0.00007 55.84%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated
Zirconium,7440-67-7 16.3 0.0000 mg/L 0.00036 0.0000 mg/L 0.00036 >999.9%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 28 **Autosampler Location: 27**
Sample ID: 436544 **Date Collected: 12/8/2006 2:41:33 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:40 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 436544

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	85931.3	98.556	%	0.1809				0.18%
Ar 420.067 R	989954.7	99.853	%	0.0754				0.08%
Scandium-IS	3269362.5	101.04	%	0.503				0.50%
Yttrium,7440-65-5A	1692589.4	100.74	%	0.546				0.54%
Yttrium,7440-65-5R	47933.4	100.26	%	0.375				0.37%
Aluminum,7429-90-5	1.3	0.005	mg/L	0.0172	0.219	mg/kg	0.6871	313.68%
Antimony,7440-36-0	-6.4	-0.0010	mg/L	0.00038	-0.0396	mg/kg	0.01512	38.14%
Arsenic,7440-38-2	-12.8	-0.0034	mg/L	0.00160	-0.1373	mg/kg	0.06388	46.52%
Barium,7440-39-3	72.0	0.0003	mg/L	0.00002	0.0136	mg/kg	0.00074	5.40%
Beryllium,7440-41-7	43.3	0.0000	mg/L	0.00001	0.0004	mg/kg	0.00047	117.72%

035539

Boron,7440-42-8	287.7	0.0046	mg/L	0.00072	0.1848	mg/kg	0.02860 15.48%
Cadmium,7440-43-9	37.5	0.0001	mg/L	0.00005	0.0053	mg/kg	0.00191 35.88%
Calcium,7440-70-2	11.0	0.017	mg/L	0.0067	0.685	mg/kg	0.2696 39.33%
Chromium,7440-47-3	89.3	0.0005	mg/L	0.00011	0.0213	mg/kg	0.00443 20.83%
Cobalt,7440-48-4	-7.1	-0.0001	mg/L	0.00018	-0.0046	mg/kg	0.00718 156.13%
Copper,7440-50-8	-171.7	-0.0004	mg/L	0.00009	-0.0179	mg/kg	0.00372 20.78%
Iron,7439-89-6	14.9	0.0275	mg/L	0.00025	1.1008	mg/kg	0.01012 0.92%
Lead,7439-92-1	-9.5	-0.0008	mg/L	0.00031	-0.0300	mg/kg	0.01241 41.31%
Lithium,7439-93-2	-59.9	-0.0012	mg/L	0.00055	-0.0484	mg/kg	0.02206 45.57%
Magnesium,7439-95-4	-4.6	-0.0443	mg/L	0.03088	-1.7728	mg/kg	1.23522 69.68%
Manganese, 7439-96-5	1028.8	0.001	mg/L	0.0000	0.048	mg/kg	0.0005 1.08%
Molybdenum,7439-98-7	27.3	0.0008	mg/L	0.00040	0.0330	mg/kg	0.01586 48.03%
Nickel,7440-02-0	33.6	0.0005	mg/L	0.00015	0.0219	mg/kg	0.00608 27.79%
Potassium,7440-09-7	49.4	0.0275	mg/L	0.01757	1.1003	mg/kg	0.70285 63.88%
Selenium,7782-49-2	1.0	0.0005	mg/L	0.00141	0.0207	mg/kg	0.05645 272.06%
Silicon,7440-21-3	7.0	0.0237	mg/L	0.00115	0.9498	mg/kg	0.04582 4.82%
Silver,7440-22-4	-77.8	-0.0003	mg/L	0.00015	-0.0102	mg/kg	0.00616 60.43%
Sodium,7440-23-5	4.7	0.0010	mg/L	0.00788	0.0380	mg/kg	0.31520 829.42%
Strontium,7440-24-6	47.6	0.0001	mg/L	0.00008	0.0056	mg/kg	0.00301 53.72%
Thallium,7440-28-0	-12.2	-0.0017	mg/L	0.00143	-0.0690	mg/kg	0.05722 82.92%
Tin,7440-31-5	80.9	0.0075	mg/L	0.00073	0.3020	mg/kg	0.02933 9.71%
Titanium,7440-32-6	376.4	0.0006	mg/L	0.00018	0.0256	mg/kg	0.00708 27.64%
Vanadium,7440-62-2	-196.1	-0.0015	mg/L	0.00026	-0.0617	mg/kg	0.01033 16.73%
Zinc,7440-66-6	177.1	0.0009	mg/L	0.00003	0.0357	mg/kg	0.00138 3.87%
Zirconium,7440-67-7	-60.2	-0.0001	mg/L	0.00009	-0.0050	mg/kg	0.00347 69.92%

Sequence No.: 29 **Autosampler Location: 28**
Sample ID: 436545 **Date Collected: 12/8/2006 2:48:09 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:17:42 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 436545

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	86053.6	98.696	%	0.0812				0.08%
Ar 420.067 R	995224.6	100.38	%	0.177				0.18%
Scandium-IS	3259355.6	100.73	%	0.993				0.99%
Yttrium,7440-65-5A	1681987.3	100.11	%	0.897				0.90%
Yttrium,7440-65-5R	48944.2	102.38	%	0.543				0.53%
Aluminum,7429-90-5	1235.3	5.310	mg/L	0.0167	212.4	mg/kg	0.67	0.31%
Antimony,7440-36-0	3405.7	0.5143	mg/L	0.00175	20.572	mg/kg	0.0701	0.34%
Arsenic,7440-38-2	1894.2	0.5170	mg/L	0.00298	20.679	mg/kg	0.1192	0.58%
Barium,7440-39-3	112360.7	0.5296	mg/L	0.00207	21.184	mg/kg	0.0827	0.39%
Beryllium,7440-41-7	2247184.5	0.5154	mg/L	0.00156	20.618	mg/kg	0.0625	0.30%
Boron,7440-42-8	159331.9	2.5534	mg/L	0.00963	102.14	mg/kg	0.385	0.38%
Cadmium,7440-43-9	147174.8	0.5265	mg/L	0.00220	21.058	mg/kg	0.0878	0.42%
Calcium,7440-70-2	3460.8	5.366	mg/L	0.0175	214.6	mg/kg	0.70	0.33%
Chromium,7440-47-3	87617.9	0.5298	mg/L	0.00217	21.193	mg/kg	0.0870	0.41%
Cobalt,7440-48-4	33292.7	0.5321	mg/L	0.00212	21.284	mg/kg	0.0846	0.40%
Copper,7440-50-8	207582.4	0.5250	mg/L	0.00196	21.001	mg/kg	0.0786	0.37%
Iron,7439-89-6	2953.2	5.4631	mg/L	0.04099	218.52	mg/kg	1.640	0.75%
Lead,7439-92-1	6691.7	0.5292	mg/L	0.00118	21.167	mg/kg	0.0471	0.22%
Lithium,7439-93-2	26045.0	0.5264	mg/L	0.00324	21.058	mg/kg	0.1297	0.62%
Magnesium,7439-95-4	547.8	5.2931	mg/L	0.03197	211.72	mg/kg	1.279	0.60%
Manganese, 7439-96-5	456814.2	0.535	mg/L	0.0016	21.40	mg/kg	0.063	0.30%
Molybdenum,7439-98-7	17603.3	0.5314	mg/L	0.00118	21.254	mg/kg	0.0473	0.22%
Nickel,7440-02-0	32701.2	0.5333	mg/L	0.00251	21.332	mg/kg	0.1003	0.47%
Potassium,7440-09-7	19260.2	10.731	mg/L	0.0488	429.24	mg/kg	1.952	0.45%
Selenium,7782-49-2	1022.1	0.5314	mg/L	0.00339	21.255	mg/kg	0.1358	0.64%
Silicon,7440-21-3	80.9	0.2718	mg/L	0.00650	10.873	mg/kg	0.2599	2.39%
Silver,7440-22-4	164562.9	0.5263	mg/L	0.00167	21.051	mg/kg	0.0668	0.32%
Sodium,7440-23-5	106001.0	21.639	mg/L	0.1183	865.56	mg/kg	4.734	0.55%
Strontium,7440-24-6	181041.6	0.5329	mg/L	0.00456	21.318	mg/kg	0.1822	0.85%
Thallium,7440-28-0	3567.6	0.5098	mg/L	0.00130	20.393	mg/kg	0.0519	0.25%
Tin,7440-31-5	6069.6	0.5665	mg/L	0.00182	22.662	mg/kg	0.0730	0.32%
Titanium,7440-32-6	315274.4	0.5367	mg/L	0.00165	21.470	mg/kg	0.0661	0.31%
Vanadium,7440-62-2	66255.7	0.5197	mg/L	0.00080	20.789	mg/kg	0.0318	0.15%

Zinc,7440-66-6	103477.9	0.5194	mg/L	0.00232	20.777	mg/kg	0.0928	0.45%
Zirconium,7440-67-7	5404.6	0.0105	mg/L	0.00126	0.4200	mg/kg	0.05032	11.98%

Sequence No.: 30
Sample ID: 20612072801
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 29
Date Collected: 12/8/2006 2:54:51 PM
Data Type: Reprocessed on 12/9/2006 9:17:44 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072801

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	78721.4	90.286	%	0.1328				0.15%
Ar 420.067 R	947136.3	95.534	%	0.1743				0.18%
Scandium-IS	3174122.0	98.097	%	0.2857				0.29%
Yttrium,7440-65-5A	1751876.4	104.27	%	0.202				0.19%
Yttrium,7440-65-5R	51892.9	108.54	%	0.367				0.34%
Aluminum,7429-90-5	42286.1	181.7	mg/L	0.86	7267	mg/kg	34.6	0.48%
Antimony,7440-36-0	131.5	0.0203	mg/L	0.00217	0.8118	mg/kg	0.08681	10.69%
Arsenic,7440-38-2	-148.4	0.0195	mg/L	0.00337	0.7807	mg/kg	0.13492	17.28%
Barium,7440-39-3	296196.7	1.3904	mg/L	0.01211	55.615	mg/kg	0.4844	0.87%
Beryllium,7440-41-7	53697.0	0.0126	mg/L	0.00011	0.5030	mg/kg	0.00429	0.85%
Boron,7440-42-8	13003.2	0.3389	mg/L	0.00323	13.555	mg/kg	0.1293	0.95%
Cadmium,7440-43-9	2057.8	-0.0008	mg/L	0.00006	-0.0327	mg/kg	0.00228	6.97%
Calcium,7440-70-2	57057.0	88.48	mg/L	0.532	3539	mg/kg	21.3	0.60%
Chromium,7440-47-3	34642.6	0.1765	mg/L	0.00176	7.0614	mg/kg	0.07053	1.00%
Cobalt,7440-48-4	7137.8	0.1060	mg/L	0.00028	4.2417	mg/kg	0.01123	0.26%
Copper,7440-50-8	74700.4	0.1080	mg/L	0.00184	4.3194	mg/kg	0.07354	1.70%
Iron,7439-89-6	124675.9	230.68	mg/L	1.447	9227.2	mg/kg	57.87	0.63%
Lead,7439-92-1	2453.8	0.2138	mg/L	0.00035	8.5508	mg/kg	0.01393	0.16%
Lithium,7439-93-2	13412.1	0.2730	mg/L	0.00031	10.919	mg/kg	0.0124	0.11%
Magnesium,7439-95-4	14947.3	144.47	mg/L	0.804	5779.0	mg/kg	32.16	0.56%
Manganese, 7439-96-5	4520929.4	5.299	mg/L	0.0148	211.9	mg/kg	0.59	0.28%
Molybdenum,7439-98-7	134.1	0.0072	mg/L	0.00036	0.2893	mg/kg	0.01427	4.93%
Nickel,7440-02-0	15443.8	0.2429	mg/L	0.00013	9.7159	mg/kg	0.00531	0.05%
Potassium,7440-09-7	117860.5	65.624	mg/L	0.1831	2625.0	mg/kg	7.32	0.28%
Selenium,7782-49-2	-313.7	-0.0127	mg/L	0.00181	-0.5077	mg/kg	0.07228	14.24%
Silicon,7440-21-3	2231.7	7.5228	mg/L	0.03681	300.91	mg/kg	1.472	0.49%
Silver,7440-22-4	-29504.7	-0.0057	mg/L	0.00071	-0.2289	mg/kg	0.02852	12.46%
Sodium,7440-23-5	910779.6	185.91	mg/L	0.580	7436.5	mg/kg	23.19	0.31%
Strontium,7440-24-6	177524.3	0.5204	mg/L	0.00208	20.814	mg/kg	0.0830	0.40%
Thallium,7440-28-0	-103.7	0.0003	mg/L	0.00156	0.0113	mg/kg	0.06247	555.16%
Tin,7440-31-5	-20.2	-0.0015	mg/L	0.00033	-0.0582	mg/kg	0.01331	22.85%
Titanium,7440-32-6	190896.3	0.3243	mg/L	0.00200	12.973	mg/kg	0.0799	0.62%
Vanadium,7440-62-2	40599.6	0.3056	mg/L	0.00419	12.225	mg/kg	0.1677	1.37%
Zinc,7440-66-6	163785.4	0.8020	mg/L	0.00620	32.081	mg/kg	0.2481	0.77%
Zirconium,7440-67-7	25026.4	0.0515	mg/L	0.00036	2.0598	mg/kg	0.01441	0.70%

Sequence No.: 31
Sample ID: 20612072804 MS
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 30
Date Collected: 12/8/2006 3:01:35 PM
Data Type: Reprocessed on 12/9/2006 9:17:46 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072804 MS

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	78303.3	89.807	%	0.1143				0.13%
Ar 420.067 R	947037.5	95.524	%	0.2148				0.22%
Scandium-IS	3183144.6	98.376	%	0.3436				0.35%
Yttrium,7440-65-5A	1746840.3	103.97	%	0.323				0.31%
Yttrium,7440-65-5R	51675.3	108.09	%	0.882				0.82%
Aluminum,7429-90-5	47584.3	204.4	mg/L	0.22	8177	mg/kg	8.9	0.11%
Antimony,7440-36-0	1744.7	0.2600	mg/L	0.00409	10.398	mg/kg	0.1635	1.57%
Arsenic,7440-38-2	1570.3	0.4893	mg/L	0.00664	19.574	mg/kg	0.2656	1.36%

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Barium,7440-39-3	316363.4	1.4851	mg/L	0.00573	59.405	mg/kg	0.2293	0.39%
Beryllium,7440-41-7	2146237.3	0.4927	mg/L	0.00158	19.708	mg/kg	0.0631	0.32%
Boron,7440-42-8	118144.4	2.0202	mg/L	0.00755	80.808	mg/kg	0.3019	0.37%
Cadmium,7440-43-9	133149.9	0.4688	mg/L	0.00194	18.751	mg/kg	0.0776	0.41%
Calcium,7440-70-2	74296.1	115.2	mg/L	0.34	4609	mg/kg	13.5	0.29%
Chromium,7440-47-3	114748.2	0.6593	mg/L	0.00192	26.371	mg/kg	0.0767	0.29%
Cobalt,7440-48-4	35630.3	0.5622	mg/L	0.00549	22.488	mg/kg	0.2196	0.98%
Copper,7440-50-8	283679.1	0.6414	mg/L	0.00248	25.654	mg/kg	0.0994	0.39%
Iron,7439-89-6	123372.6	228.27	mg/L	0.598	9130.6	mg/kg	23.91	0.26%
Lead,7439-92-1	8463.8	0.6939	mg/L	0.00573	27.757	mg/kg	0.2292	0.83%
Lithium,7439-93-2	39259.6	0.7953	mg/L	0.00263	31.813	mg/kg	0.1051	0.33%
Magnesium,7439-95-4	14717.5	142.25	mg/L	0.365	5690.2	mg/kg	14.59	0.26%
Manganese, 7439-96-5	3933304.0	4.610	mg/L	0.0159	184.4	mg/kg	0.64	0.34%
Molybdenum,7439-98-7	13429.3	0.4084	mg/L	0.00410	16.338	mg/kg	0.1639	1.00%
Nickel,7440-02-0	42938.7	0.6921	mg/L	0.00696	27.685	mg/kg	0.2785	1.01%
Potassium,7440-09-7	134899.2	75.119	mg/L	0.2619	3004.8	mg/kg	10.48	0.35%
Selenium,7782-49-2	599.4	0.4606	mg/L	0.01267	18.425	mg/kg	0.5070	2.75%
Silicon,7440-21-3	1212.0	4.0637	mg/L	0.01928	162.55	mg/kg	0.771	0.47%
Silver,7440-22-4	130309.9	0.5016	mg/L	0.00106	20.064	mg/kg	0.0426	0.21%
Sodium,7440-23-5	909555.8	185.66	mg/L	0.118	7426.4	mg/kg	4.70	0.06%
Strontium,7440-24-6	344498.4	1.0115	mg/L	0.00163	40.460	mg/kg	0.0651	0.16%
Thallium,7440-28-0	3224.6	0.4725	mg/L	0.01032	18.901	mg/kg	0.4129	2.18%
Tin,7440-31-5	5570.5	0.5206	mg/L	0.00522	20.823	mg/kg	0.2088	1.00%
Titanium,7440-32-6	217551.4	0.3697	mg/L	0.00178	14.787	mg/kg	0.0712	0.48%
Vanadium,7440-62-2	95586.2	0.7372	mg/L	0.00312	29.488	mg/kg	0.1247	0.42%
Zinc,7440-66-6	277753.0	1.3759	mg/L	0.00511	55.038	mg/kg	0.2044	0.37%
Zirconium,7440-67-7	28334.2	0.0587	mg/L	0.00015	2.3460	mg/kg	0.00600	0.26%

Sequence No.: 32
Sample ID: 20612072805 MSD
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 31
Date Collected: 12/8/2006 3:07:21 PM
Data Type: Reprocessed on 12/9/2006 9:17:48 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072805 MSD

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	78441.5	89.965	%	0.1568				0.17%
Ar 420.067 R	949241.8	95.746	%	0.0577				0.06%
Scandium-IS	3187742.3	98.518	%	0.4008				0.41%
Yttrium,7440-65-5A	1745119.1	103.87	%	0.354				0.34%
Yttrium,7440-65-5R	51305.4	107.31	%	0.927				0.86%
Aluminum,7429-90-5	44463.9	191.0	mg/L	1.08	7641	mg/kg	43.3	0.57%
Antimony,7440-36-0	1734.4	0.2583	mg/L	0.00430	10.331	mg/kg	0.1722	1.67%
Arsenic,7440-38-2	1574.5	0.4862	mg/L	0.00294	19.448	mg/kg	0.1174	0.60%
Barium,7440-39-3	339381.0	1.5943	mg/L	0.01002	63.771	mg/kg	0.4010	0.63%
Beryllium,7440-41-7	2153959.3	0.4944	mg/L	0.00240	19.778	mg/kg	0.0960	0.49%
Boron,7440-42-8	125670.1	2.1324	mg/L	0.01042	85.295	mg/kg	0.4170	0.49%
Cadmium,7440-43-9	133878.8	0.4719	mg/L	0.00355	18.876	mg/kg	0.1419	0.75%
Calcium,7440-70-2	54712.5	84.84	mg/L	0.836	3394	mg/kg	33.4	0.98%
Chromium,7440-47-3	114091.3	0.6573	mg/L	0.00226	26.293	mg/kg	0.0903	0.34%
Cobalt,7440-48-4	36087.7	0.5701	mg/L	0.00501	22.803	mg/kg	0.2002	0.88%
Copper,7440-50-8	265841.8	0.6010	mg/L	0.00271	24.041	mg/kg	0.1082	0.45%
Iron,7439-89-6	115479.5	213.66	mg/L	1.982	8546.5	mg/kg	79.27	0.93%
Lead,7439-92-1	8181.0	0.6697	mg/L	0.00541	26.788	mg/kg	0.2166	0.81%
Lithium,7439-93-2	38453.9	0.7789	mg/L	0.00375	31.157	mg/kg	0.1499	0.48%
Magnesium,7439-95-4	14199.5	137.24	mg/L	0.867	5489.8	mg/kg	34.67	0.63%
Manganese, 7439-96-5	3708710.4	4.347	mg/L	0.0235	173.9	mg/kg	0.94	0.54%
Molybdenum,7439-98-7	13731.6	0.4174	mg/L	0.00255	16.697	mg/kg	0.1019	0.61%
Nickel,7440-02-0	42790.3	0.6903	mg/L	0.00561	27.611	mg/kg	0.2242	0.81%
Potassium,7440-09-7	130380.4	72.604	mg/L	0.5003	2904.2	mg/kg	20.01	0.69%
Selenium,7782-49-2	651.4	0.4771	mg/L	0.00087	19.085	mg/kg	0.0348	0.18%
Silicon,7440-21-3	1429.3	4.8022	mg/L	0.02696	192.09	mg/kg	1.078	0.56%
Silver,7440-22-4	133245.7	0.5054	mg/L	0.00178	20.216	mg/kg	0.0712	0.35%
Sodium,7440-23-5	879151.9	179.46	mg/L	1.074	7178.2	mg/kg	42.97	0.60%
Strontium,7440-24-6	330181.6	0.9700	mg/L	0.00707	38.799	mg/kg	0.2829	0.73%
Thallium,7440-28-0	3278.4	0.4794	mg/L	0.00983	19.175	mg/kg	0.3934	2.05%
Tin,7440-31-5	5613.0	0.5239	mg/L	0.00569	20.958	mg/kg	0.2278	1.09%

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Titanium,7440-32-6	224606.5	0.3817	mg/L	0.00075	15.270	mg/kg	0.0299	0.20%
Vanadium,7440-62-2	91730.2	0.7080	mg/L	0.00348	28.320	mg/kg	0.1393	0.49%
Zinc,7440-66-6	241034.8	1.1917	mg/L	0.00759	47.667	mg/kg	0.3036	0.64%
Zirconium,7440-67-7	24871.6	0.0512	mg/L	0.00065	2.0472	mg/kg	0.02592	1.27%

Sequence No.: 33
Sample ID: 436799
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 32
Date Collected: 12/8/2006 3:13:08 PM
Data Type: Reprocessed on 12/9/2006 9:17:50 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 436799

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	78239.3	89.733	%	0.2187				0.24%
Ar 420.067 R	952002.5	96.025	%	0.1365				0.14%
Scandium-IS	3182950.1	98.370	%	0.4254				0.43%
Yttrium,7440-65-5A	1760972.4	104.81	%	0.426				0.41%
Yttrium,7440-65-5R	51622.4	107.98	%	1.097				1.02%
Aluminum,7429-90-5	43263.1	185.9	mg/L	1.58	7435	mg/kg	63.3	0.85%
Antimony,7440-36-0	3315.8	0.5015	mg/L	0.00306	20.059	mg/kg	0.1225	0.61%
Arsenic,7440-38-2	1638.1	0.5063	mg/L	0.00264	20.252	mg/kg	0.1055	0.52%
Barium,7440-39-3	393716.1	1.8501	mg/L	0.01069	74.003	mg/kg	0.4277	0.58%
Beryllium,7440-41-7	2107531.0	0.4837	mg/L	0.00217	19.346	mg/kg	0.0866	0.45%
Boron,7440-42-8	162227.8	2.7285	mg/L	0.01482	109.14	mg/kg	0.593	0.54%
Cadmium,7440-43-9	129990.6	0.4569	mg/L	0.00303	18.276	mg/kg	0.1211	0.66%
Calcium,7440-70-2	60215.6	93.38	mg/L	1.004	3735	mg/kg	40.2	1.08%
Chromium,7440-47-3	111209.3	0.6397	mg/L	0.00415	25.587	mg/kg	0.1659	0.65%
Cobalt,7440-48-4	36198.8	0.5704	mg/L	0.00188	22.817	mg/kg	0.0752	0.33%
Copper,7440-50-8	269630.0	0.6021	mg/L	0.00322	24.085	mg/kg	0.1288	0.53%
Iron,7439-89-6	125741.5	232.65	mg/L	2.107	9306.0	mg/kg	84.29	0.91%
Lead,7439-92-1	8372.6	0.6819	mg/L	0.00452	27.276	mg/kg	0.1807	0.66%
Lithium,7439-93-2	38224.6	0.7745	mg/L	0.00650	30.979	mg/kg	0.2600	0.84%
Magnesium,7439-95-4	15391.6	148.77	mg/L	1.386	5950.7	mg/kg	55.45	0.93%
Manganese, 7439-96-5	4891308.5	5.732	mg/L	0.0267	229.3	mg/kg	1.07	0.47%
Molybdenum,7439-98-7	15836.0	0.4812	mg/L	0.00172	19.246	mg/kg	0.0689	0.36%
Nickel,7440-02-0	43472.0	0.7001	mg/L	0.00267	28.002	mg/kg	0.1067	0.38%
Potassium,7440-09-7	134844.5	75.088	mg/L	0.5037	3003.5	mg/kg	20.15	0.67%
Selenium,7782-49-2	638.1	0.4803	mg/L	0.01164	19.211	mg/kg	0.4657	2.42%
Silicon,7440-21-3	2735.1	9.2283	mg/L	0.13265	369.13	mg/kg	5.306	1.44%
Silver,7440-22-4	122594.5	0.4795	mg/L	0.00171	19.181	mg/kg	0.0684	0.36%
Sodium,7440-23-5	988527.0	201.78	mg/L	1.400	8071.4	mg/kg	56.01	0.69%
Strontium,7440-24-6	343159.1	1.0079	mg/L	0.00779	40.318	mg/kg	0.3115	0.77%
Thallium,7440-28-0	3170.9	0.4682	mg/L	0.00362	18.727	mg/kg	0.1449	0.77%
Tin,7440-31-5	5503.2	0.5141	mg/L	0.00150	20.564	mg/kg	0.0601	0.29%
Titanium,7440-32-6	494499.3	0.8412	mg/L	0.00339	33.649	mg/kg	0.1354	0.40%
Vanadium,7440-62-2	101185.7	0.7811	mg/L	0.00221	31.244	mg/kg	0.0884	0.28%
Zinc,7440-66-6	257242.2	1.2716	mg/L	0.00769	50.863	mg/kg	0.3074	0.60%
Zirconium,7440-67-7	26796.7	0.0546	mg/L	0.00021	2.1824	mg/kg	0.00846	0.39%

Sequence No.: 34
Sample ID: 436800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 5X

Autosampler Location: 33
Date Collected: 12/8/2006 3:18:21 PM
Data Type: Reprocessed on 12/9/2006 9:17:51 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 436800

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	82009.0	94.057	%	0.2692				0.29%
Ar 420.067 R	968851.5	97.724	%	0.1193				0.12%
Scandium-IS	3181893.9	98.337	%	0.5091				0.52%
Yttrium,7440-65-5A	1673290.3	99.595	%	0.4172				0.42%
Yttrium,7440-65-5R	48542.3	101.54	%	0.748				0.74%
Aluminum,7429-90-5	8557.2	36.76	mg/L	0.102	7352	mg/kg	20.4	0.28%

Antimony,7440-36-0	10.8	0.0017	mg/L	0.00069	0.3411	mg/kg	0.13840 40.57%
Arsenic,7440-38-2	-43.8	0.0002	mg/L	0.00068	0.0411	mg/kg	0.13637 331.80%
Barium,7440-39-3	61243.8	0.2875	mg/L	0.00122	57.496	mg/kg	0.2446 0.43%
Beryllium,7440-41-7	11453.9	0.0027	mg/L	0.00003	0.5357	mg/kg	0.00501 0.94%
Boron,7440-42-8	4335.0	0.0966	mg/L	0.00278	19.322	mg/kg	0.5562 2.88%
Cadmium,7440-43-9	420.9	-0.0002	mg/L	0.00008	-0.0437	mg/kg	0.01633 37.39%
Calcium,7440-70-2	11743.2	18.21	mg/L	0.048	3642	mg/kg	9.7 0.27%
Chromium,7440-47-3	7439.8	0.0382	mg/L	0.00043	7.6462	mg/kg	0.08693 1.14%
Cobalt,7440-48-4	1481.9	0.0220	mg/L	0.00018	4.4010	mg/kg	0.03689 0.84%
Copper,7440-50-8	16401.5	0.0246	mg/L	0.00034	4.9238	mg/kg	0.06763 1.37%
Iron,7439-89-6	25962.1	48.036	mg/L	0.5126	9607.3	mg/kg	102.52 1.07%
Lead,7439-92-1	518.3	0.0449	mg/L	0.00187	8.9704	mg/kg	0.37443 4.17%
Lithium,7439-93-2	3145.0	0.0640	mg/L	0.00123	12.791	mg/kg	0.2464 1.93%
Magnesium,7439-95-4	3070.4	29.678	mg/L	0.0531	5935.5	mg/kg	10.63 0.18%
Manganese, 7439-96-5	953076.3	1.117	mg/L	0.0059	223.4	mg/kg	1.17 0.52%
Molybdenum,7439-98-7	68.6	0.0027	mg/L	0.00057	0.5457	mg/kg	0.11441 20.97%
Nickel,7440-02-0	3279.0	0.0516	mg/L	0.00071	10.320	mg/kg	0.1414 1.37%
Potassium,7440-09-7	24106.2	13.422	mg/L	0.0651	2684.4	mg/kg	13.03 0.49%
Selenium,7782-49-2	-51.7	0.0043	mg/L	0.00357	0.8606	mg/kg	0.71351 82.91%
Silicon,7440-21-3	509.2	1.7176	mg/L	0.00577	343.52	mg/kg	1.153 0.34%
Silver,7440-22-4	-5987.5	-0.0008	mg/L	0.00024	-0.1680	mg/kg	0.04887 29.08%
Sodium,7440-23-5	187109.6	38.194	mg/L	0.2755	7638.8	mg/kg	55.10 0.72%
Strontium,7440-24-6	35894.4	0.1052	mg/L	0.00097	21.040	mg/kg	0.1941 0.92%
Thallium,7440-28-0	25.7	0.0068	mg/L	0.00190	1.3591	mg/kg	0.38067 28.01%
Tin,7440-31-5	-44.2	-0.0040	mg/L	0.00088	-0.8062	mg/kg	0.17607 21.84%
Titanium,7440-32-6	43061.4	0.0732	mg/L	0.00146	14.635	mg/kg	0.2924 2.00%
Vanadium,7440-62-2	7067.0	0.0527	mg/L	0.00058	10.548	mg/kg	0.1159 1.10%
Zinc,7440-66-6	34583.6	0.1694	mg/L	0.00095	33.885	mg/kg	0.1899 0.56%
Zirconium,7440-67-7	3642.8	0.0075	mg/L	0.00011	1.4985	mg/kg	0.02144 1.43%

Sequence No.: 35
Sample ID: 20612072802
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 34
Date Collected: 12/8/2006 3:25:00 PM
Data Type: Reprocessed on 12/9/2006 9:17:53 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072802

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	75430.9	86.512	%	0.1293				0.15%
Ar 420.067 R	936129.2	94.424	%	0.0712				0.08%
Scandium-IS	3209537.7	99.192	%	0.9425				0.95%
Yttrium,7440-65-5A	1791088.7	106.61	%	0.891				0.84%
Yttrium,7440-65-5R	53561.6	112.03	%	0.318				0.28%
Aluminum,7429-90-5	56157.9	241.3	mg/L	2.23	9574	mg/kg	88.5	0.92%
Antimony,7440-36-0	149.0	0.0227	mg/L	0.00441	0.9014	mg/kg	0.17496	19.41%
Arsenic,7440-38-2	-195.9	0.0241	mg/L	0.00212	0.9547	mg/kg	0.08412	8.81%
Barium,7440-39-3	356859.5	1.6745	mg/L	0.00808	66.450	mg/kg	0.3206	0.48%
Beryllium,7440-41-7	70615.7	0.0166	mg/L	0.00010	0.6599	mg/kg	0.00405	0.61%
Boron,7440-42-8	16856.4	0.4370	mg/L	0.00455	17.342	mg/kg	0.1805	1.04%
Cadmium,7440-43-9	3908.1	0.0039	mg/L	0.00029	0.1560	mg/kg	0.01145	7.34%
Calcium,7440-70-2	128969.7	200.0	mg/L	2.12	7938	mg/kg	84.2	1.06%
Chromium,7440-47-3	46199.8	0.2399	mg/L	0.00389	9.5188	mg/kg	0.15437	1.62%
Cobalt,7440-48-4	7321.1	0.1067	mg/L	0.00165	4.2356	mg/kg	0.06533	1.54%
Copper,7440-50-8	109086.8	0.1779	mg/L	0.00089	7.0576	mg/kg	0.03519	0.50%
Iron,7439-89-6	159456.4	295.03	mg/L	3.542	11708	mg/kg	140.6	1.20%
Lead,7439-92-1	4147.7	0.3566	mg/L	0.00229	14.152	mg/kg	0.0908	0.64%
Lithium,7439-93-2	15682.0	0.3193	mg/L	0.00317	12.670	mg/kg	0.1258	0.99%
Magnesium,7439-95-4	15738.5	152.15	mg/L	0.254	6037.7	mg/kg	10.09	0.17%
Manganese, 7439-96-5	3563735.4	4.177	mg/L	0.0196	165.7	mg/kg	0.78	0.47%
Molybdenum,7439-98-7	118.9	0.0072	mg/L	0.00117	0.2869	mg/kg	0.04635	16.15%
Nickel,7440-02-0	18888.6	0.2971	mg/L	0.00398	11.789	mg/kg	0.1580	1.34%
Potassium,7440-09-7	162010.6	90.214	mg/L	0.6322	3579.9	mg/kg	25.09	0.70%
Selenium,7782-49-2	-388.8	-0.0035	mg/L	0.01838	-0.1400	mg/kg	0.72942	521.16%
Silicon,7440-21-3	2178.7	7.3467	mg/L	0.02735	291.54	mg/kg	1.085	0.37%
Silver,7440-22-4	-37616.2	-0.0065	mg/L	0.00090	-0.2570	mg/kg	0.03565	13.87%
Sodium,7440-23-5	675966.2	137.96	mg/L	1.032	5474.8	mg/kg	40.96	0.75%
Strontium,7440-24-6	733351.5	2.1547	mg/L	0.02009	85.504	mg/kg	0.7970	0.93%

Thallium,7440-28-0	-127.3	-0.0015	mg/L	0.00269	-0.0604	mg/kg	0.10687 176.91%
Tin,7440-31-5	-17.5	0.0006	mg/L	0.00233	0.0232	mg/kg	0.09251 399.13%
Titanium,7440-32-6	199608.4	0.3391	mg/L	0.00181	13.454	mg/kg	0.0719 0.53%
Vanadium,7440-62-2	58546.5	0.4415	mg/L	0.00125	17.522	mg/kg	0.0495 0.28%
Zinc,7440-66-6	379511.8	1.8876	mg/L	0.00977	74.905	mg/kg	0.3876 0.52%
Zirconium,7440-67-7	75431.0	0.1565	mg/L	0.00113	6.2094	mg/kg	0.04503 0.73%

Sequence No.: 36
Sample ID: 20612072803
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 35
Date Collected: 12/8/2006 3:30:45 PM
Data Type: Reprocessed on 12/9/2006 9:17:55 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072803

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	74376.9	85.304	%	0.0851				0.10%
Ar 420.067 R	934071.0	94.216	%	0.0722				0.08%
Scandium-IS	3126564.0	96.627	%	0.3101				0.32%
Yttrium,7440-65-5A	1699250.0	101.14	%	0.320				0.32%
Yttrium,7440-65-5R	49862.8	104.30	%	0.962				0.92%
Aluminum,7429-90-5	30050.0	129.1	mg/L	0.91	5123	mg/kg	36.3	0.71%
Antimony,7440-36-0	106.5	0.0171	mg/L	0.00224	0.6789	mg/kg	0.08884	13.09%
Arsenic,7440-38-2	-133.0	0.0097	mg/L	0.00407	0.3854	mg/kg	0.16149	41.90%
Barium,7440-39-3	542917.5	2.5560	mg/L	0.01052	101.43	mg/kg	0.418	0.41%
Beryllium,7440-41-7	40595.0	0.0095	mg/L	0.00005	0.3768	mg/kg	0.00197	0.52%
Boron,7440-42-8	6995.3	0.2148	mg/L	0.00093	8.5254	mg/kg	0.03677	0.43%
Cadmium,7440-43-9	1739.9	-0.0004	mg/L	0.00015	-0.0150	mg/kg	0.00586	39.06%
Calcium,7440-70-2	223929.7	347.4	mg/L	1.61	13780	mg/kg	64.1	0.46%
Chromium,7440-47-3	30499.1	0.1615	mg/L	0.00087	6.4092	mg/kg	0.03464	0.54%
Cobalt,7440-48-4	5480.2	0.0811	mg/L	0.00037	3.2194	mg/kg	0.01486	0.46%
Copper,7440-50-8	88732.5	0.1624	mg/L	0.00078	6.4463	mg/kg	0.03099	0.48%
Iron,7439-89-6	98051.1	181.42	mg/L	0.564	7199.2	mg/kg	22.37	0.31%
Lead,7439-92-1	3399.6	0.2837	mg/L	0.00069	11.258	mg/kg	0.0275	0.24%
Lithium,7439-93-2	10351.1	0.2109	mg/L	0.00190	8.3703	mg/kg	0.07544	0.90%
Magnesium,7439-95-4	11326.5	109.48	mg/L	0.956	4344.6	mg/kg	37.93	0.87%
Manganese, 7439-96-5	2722503.6	3.191	mg/L	0.0132	126.6	mg/kg	0.52	0.41%
Molybdenum,7439-98-7	282.7	0.0101	mg/L	0.00039	0.3992	mg/kg	0.01543	3.86%
Nickel,7440-02-0	12656.9	0.1994	mg/L	0.00024	7.9123	mg/kg	0.00935	0.12%
Potassium,7440-09-7	70884.4	39.465	mg/L	0.2866	1566.1	mg/kg	11.37	0.73%
Selenium,7782-49-2	-259.8	-0.0098	mg/L	0.00521	-0.3902	mg/kg	0.20665	52.96%
Silicon,7440-21-3	2880.5	9.7362	mg/L	0.07443	386.36	mg/kg	2.953	0.76%
Silver,7440-22-4	-22197.2	-0.0031	mg/L	0.00020	-0.1234	mg/kg	0.00789	6.40%
Sodium,7440-23-5	254931.4	52.017	mg/L	0.2004	2064.2	mg/kg	7.95	0.39%
Strontium,7440-24-6	294575.8	0.8600	mg/L	0.00483	34.127	mg/kg	0.1917	0.56%
Thallium,7440-28-0	-85.1	-0.0006	mg/L	0.00290	-0.0249	mg/kg	0.11508	461.75%
Tin,7440-31-5	-103.4	-0.0021	mg/L	0.00143	-0.0843	mg/kg	0.05672	67.30%
Titanium,7440-32-6	203896.3	0.3467	mg/L	0.00419	13.756	mg/kg	0.1664	1.21%
Vanadium,7440-62-2	36130.4	0.2726	mg/L	0.00091	10.819	mg/kg	0.0362	0.33%
Zinc,7440-66-6	392248.0	1.9644	mg/L	0.00682	77.953	mg/kg	0.2706	0.35%
Zirconium,7440-67-7	48414.4	0.1030	mg/L	0.00083	4.0869	mg/kg	0.03280	0.80%

Sequence No.: 37
Sample ID: 20612072806
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 36
Date Collected: 12/8/2006 3:36:26 PM
Data Type: Reprocessed on 12/9/2006 9:17:57 AM
Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072806

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	78245.5	89.741	%	0.1111				0.12%
Ar 420.067 R	960515.5	96.883	%	0.0174				0.02%
Scandium-IS	3190274.9	98.596	%	0.5123				0.52%
Yttrium,7440-65-5A	1723447.3	102.58	%	0.684				0.67%

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Yttrium,7440-65-5R	50377.9	105.37	%	0.666			0.63%
Aluminum,7429-90-5	30234.2	129.9	mg/L	2.68	5154 mg/kg	106.2	2.06%
Antimony,7440-36-0	108.6	0.0177	mg/L	0.00174	0.7034 mg/kg	0.06894	9.80%
Arsenic,7440-38-2	-171.1	-0.0023	mg/L	0.00181	-0.0914 mg/kg	0.07167	78.45%
Barium,7440-39-3	204908.1	0.9610	mg/L	0.00779	38.136 mg/kg	0.3093	0.81%
Beryllium,7440-41-7	39557.0	0.0093	mg/L	0.00008	0.3706 mg/kg	0.00305	0.82%
Boron,7440-42-8	22764.5	0.4705	mg/L	0.00384	18.669 mg/kg	0.1523	0.82%
Cadmium,7440-43-9	1718.6	-0.0005	mg/L	0.00014	-0.0206 mg/kg	0.00558	27.08%
Calcium,7440-70-2	66231.4	102.7	mg/L	2.38	4076 mg/kg	94.6	2.32%
Chromium,7440-47-3	24496.5	0.1268	mg/L	0.00187	5.0317 mg/kg	0.07405	1.47%
Cobalt,7440-48-4	5574.7	0.0827	mg/L	0.00033	3.2816 mg/kg	0.01295	0.39%
Copper,7440-50-8	81016.8	0.1444	mg/L	0.00238	5.7304 mg/kg	0.09449	1.65%
Iron,7439-89-6	101085.5	187.03	mg/L	1.772	7422.0 mg/kg	70.31	0.95%
Lead,7439-92-1	2011.2	0.1718	mg/L	0.00024	6.8191 mg/kg	0.00957	0.14%
Lithium,7439-93-2	9100.4	0.1853	mg/L	0.00321	7.3544 mg/kg	0.12754	1.73%
Magnesium,7439-95-4	10060.8	97.263	mg/L	2.0524	3859.6 mg/kg	81.44	2.11%
Manganese, 7439-96-5	1650399.1	1.934	mg/L	0.0160	76.76 mg/kg	0.635	0.83%
Molybdenum,7439-98-7	1044.1	0.0337	mg/L	0.00068	1.3364 mg/kg	0.02715	2.03%
Nickel,7440-02-0	12762.6	0.2011	mg/L	0.00051	7.9820 mg/kg	0.02042	0.26%
Potassium,7440-09-7	117560.5	65.468	mg/L	0.3007	2597.9 mg/kg	11.93	0.46%
Selenium,7782-49-2	-245.9	-0.0033	mg/L	0.00418	-0.1292 mg/kg	0.16605	128.52%
Silicon,7440-21-3	3014.0	10.197	mg/L	0.2570	404.65 mg/kg	10.199	2.52%
Silver,7440-22-4	-23373.0	-0.0025	mg/L	0.00091	-0.0990 mg/kg	0.03603	36.38%
Sodium,7440-23-5	714751.9	145.90	mg/L	0.843	5789.7 mg/kg	33.43	0.58%
Strontium,7440-24-6	401804.7	1.1807	mg/L	0.00811	46.851 mg/kg	0.3217	0.69%
Thallium,7440-28-0	-65.2	0.0007	mg/L	0.00026	0.0280 mg/kg	0.01036	37.05%
Tin,7440-31-5	-100.7	-0.0083	mg/L	0.00076	-0.3291 mg/kg	0.03002	9.12%
Titanium,7440-32-6	178166.3	0.3029	mg/L	0.00220	12.019 mg/kg	0.0874	0.73%
Vanadium,7440-62-2	34647.5	0.2608	mg/L	0.00245	10.348 mg/kg	0.0974	0.94%
Zinc,7440-66-6	262916.9	1.3098	mg/L	0.01117	51.976 mg/kg	0.4433	0.85%
Zirconium,7440-67-7	49356.3	0.1020	mg/L	0.00100	4.0489 mg/kg	0.03978	0.98%

Sequence No.: 38
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/8/2006 3:42:08 PM
Data Type: Reprocessed on 12/9/2006 9:17:59 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
Ar 363.268 A	82627.7	94.767	%	0.0870				0.09%
Ar 420.067 R	971914.5	98.033	%	0.1169				0.12%
Scandium-IS	3165545.8	97.832	%	0.4322				0.44%
Yttrium,7440-65-5A	1638949.9	97.551	%	0.4183				0.43%
Yttrium,7440-65-5R	47270.8	98.876	%	1.2505				1.26%
Aluminum,7429-90-5	1166.7	5.015	mg/L	0.0249	5.015	mg/L	0.0249	0.50%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.31%								
Antimony,7440-36-0	3258.0	0.4921	mg/L	0.00183	0.4921	mg/L	0.00183	0.37%
QC value within limits for Antimony,7440-36-0 Recovery = 98.42%								
Arsenic,7440-38-2	1838.0	0.5013	mg/L	0.00241	0.5013	mg/L	0.00241	0.48%
QC value within limits for Arsenic,7440-38-2 Recovery = 100.25%								
Barium,7440-39-3	106226.6	0.5007	mg/L	0.00237	0.5007	mg/L	0.00237	0.47%
QC value within limits for Barium,7440-39-3 Recovery = 100.14%								
Beryllium,7440-41-7	2189488.4	0.5022	mg/L	0.00261	0.5022	mg/L	0.00261	0.52%
QC value within limits for Beryllium,7440-41-7 Recovery = 100.44%								
Boron,7440-42-8	155614.8	2.4938	mg/L	0.01606	2.4938	mg/L	0.01606	0.64%
QC value within limits for Boron,7440-42-8 Recovery = 99.75%								
Cadmium,7440-43-9	139595.1	0.4993	mg/L	0.00316	0.4993	mg/L	0.00316	0.63%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.87%								
Calcium,7440-70-2	3224.1	4.999	mg/L	0.0273	4.999	mg/L	0.0273	0.55%
QC value within limits for Calcium,7440-70-2 Recovery = 99.98%								
Chromium,7440-47-3	82453.4	0.4986	mg/L	0.00293	0.4986	mg/L	0.00293	0.59%
QC value within limits for Chromium,7440-47-3 Recovery = 99.72%								
Cobalt,7440-48-4	31353.8	0.5011	mg/L	0.00053	0.5011	mg/L	0.00053	0.11%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.22%								
Copper,7440-50-8	197669.3	0.5000	mg/L	0.00250	0.5000	mg/L	0.00250	0.50%
QC value within limits for Copper,7440-50-8 Recovery = 100.00%								

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Iron,7439-89-6          2779.3      5.1415 mg/L       0.00999      5.1415 mg/L       0.00999   0.19%
   QC value within limits for Iron,7439-89-6  Recovery = 102.83%
Lead,7439-92-1          6332.2      0.5007 mg/L       0.00098      0.5007 mg/L       0.00098   0.20%
   QC value within limits for Lead,7439-92-1  Recovery = 100.15%
Lithium,7439-93-2      25312.6      0.5116 mg/L       0.00370      0.5116 mg/L       0.00370   0.72%
   QC value within limits for Lithium,7439-93-2  Recovery = 102.33%
Magnesium,7439-95-4      518.7      5.0116 mg/L       0.02610      5.0116 mg/L       0.02610   0.52%
   QC value within limits for Magnesium,7439-95-4  Recovery = 100.23%
Manganese, 7439-96-5  431085.4       0.505 mg/L        0.0023       0.505 mg/L        0.0023   0.46%
   QC value within limits for Manganese, 7439-96-5  Recovery = 100.98%
Molybdenum,7439-98-7   16565.2      0.5000 mg/L       0.00090      0.5000 mg/L       0.00090   0.18%
   QC value within limits for Molybdenum,7439-98-7  Recovery = 100.00%
Nickel,7440-02-0       30803.8      0.5024 mg/L       0.00064      0.5024 mg/L       0.00064   0.13%
   QC value within limits for Nickel,7440-02-0  Recovery = 100.47%
Potassium,7440-09-7    18905.6      10.533 mg/L        0.1108      10.533 mg/L        0.1108   1.05%
   QC value within limits for Potassium,7440-09-7  Recovery = 105.33%
Selenium,7782-49-2       994.7      0.5171 mg/L       0.00175      0.5171 mg/L       0.00175   0.34%
   QC value within limits for Selenium,7782-49-2  Recovery = 103.41%
Silicon,7440-21-3        155.0      0.5233 mg/L       0.00616      0.5233 mg/L       0.00616   1.18%
   QC value within limits for Silicon,7440-21-3  Recovery = 104.66%
Silver,7440-22-4      160578.7      0.5133 mg/L       0.00184      0.5133 mg/L       0.00184   0.36%
   QC value within limits for Silver,7440-22-4  Recovery = 102.66%
Sodium,7440-23-5      103012.2      21.029 mg/L        0.1605      21.029 mg/L        0.1605   0.76%
   QC value within limits for Sodium,7440-23-5  Recovery = 105.14%
Strontium,7440-24-6   172570.0      0.5080 mg/L       0.00364      0.5080 mg/L       0.00364   0.72%
   QC value within limits for Strontium,7440-24-6  Recovery = 101.60%
Thallium,7440-28-0      3502.4      0.5004 mg/L       0.00053      0.5004 mg/L       0.00053   0.11%
   QC value within limits for Thallium,7440-28-0  Recovery = 100.07%
Tin,7440-31-5           5367.7      0.5010 mg/L       0.00184      0.5010 mg/L       0.00184   0.37%
   QC value within limits for Tin,7440-31-5  Recovery = 100.21%
Titanium,7440-32-6    296422.2      0.5046 mg/L       0.00240      0.5046 mg/L       0.00240   0.48%
   QC value within limits for Titanium,7440-32-6  Recovery = 100.93%
Vanadium,7440-62-2     62761.4      0.4923 mg/L       0.00195      0.4923 mg/L       0.00195   0.40%
   QC value within limits for Vanadium,7440-62-2  Recovery = 98.46%
Zinc,7440-66-6        100974.7      0.5070 mg/L       0.00231      0.5070 mg/L       0.00231   0.46%
   QC value within limits for Zinc,7440-66-6  Recovery = 101.40%
Zirconium,7440-67-7   240500.9      0.4931 mg/L       0.00316      0.4931 mg/L       0.00316   0.64%
   QC value within limits for Zirconium,7440-67-7  Recovery = 98.61%
All analyte(s) passed QC.
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Sequence No.: 39 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/8/2006 3:48:50 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:18:02 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	83419.5	95.675	%	0.0564				0.06%
Ar 420.067 R	978611.5	98.709	%	0.0632				0.06%
Scandium-IS	3187882.0	98.522	%	0.6003				0.61%
Yttrium,7440-65-5A	1657890.8	98.679	%	0.6074				0.62%
Yttrium,7440-65-5R	47767.8	99.915	%	0.7576				0.76%
Aluminum,7429-90-5	0.8	0.004	mg/L	0.0097	0.004	mg/L	0.0097	272.70%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0	-16.3	-0.0025	mg/L	0.00047	-0.0025	mg/L	0.00047	18.68%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2	-0.4	-0.0001	mg/L	0.00042	-0.0001	mg/L	0.00042	321.20%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3	12.9	0.0001	mg/L	0.00008	0.0001	mg/L	0.00008	122.71%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7	134.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	56.10%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8	1422.9	0.0228	mg/L	0.00163	0.0228	mg/L	0.00163	7.15%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9	4.7	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	159.09%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								

Calcium,7440-70-2	3.5	0.005 mg/L	0.0073	0.005 mg/L	0.0073	133.22%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated						
Chromium,7440-47-3	-45.3	-0.0003 mg/L	0.00011	-0.0003 mg/L	0.00011	37.71%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated						
Cobalt,7440-48-4	8.7	0.0001 mg/L	0.00025	0.0001 mg/L	0.00025	177.78%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8	172.4	0.0004 mg/L	0.00017	0.0004 mg/L	0.00017	39.74%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6	10.4	0.0193 mg/L	0.00480	0.0193 mg/L	0.00480	24.88%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1	-3.9	-0.0003 mg/L	0.00057	-0.0003 mg/L	0.00057	185.26%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2	172.5	0.0035 mg/L	0.00059	0.0035 mg/L	0.00059	16.79%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4	-4.9	-0.0471 mg/L	0.07027	-0.0471 mg/L	0.07027	149.20%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese, 7439-96-5	918.5	0.001 mg/L	0.0000	0.001 mg/L	0.0000	1.53%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7	35.5	0.0011 mg/L	0.00030	0.0011 mg/L	0.00030	27.55%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0	25.6	0.0004 mg/L	0.00011	0.0004 mg/L	0.00011	27.29%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7	146.9	0.0819 mg/L	0.01455	0.0819 mg/L	0.01455	17.78%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2	-1.8	-0.0009 mg/L	0.00517	-0.0009 mg/L	0.00517	555.81%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3	6.1	0.0208 mg/L	0.00738	0.0208 mg/L	0.00738	35.47%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4	54.8	0.0002 mg/L	0.00007	0.0002 mg/L	0.00007	44.24%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5	447.0	0.0913 mg/L	0.01954	0.0913 mg/L	0.01954	21.41%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6	35.3	0.0001 mg/L	0.00009	0.0001 mg/L	0.00009	86.58%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0	25.6	0.0036 mg/L	0.00086	0.0036 mg/L	0.00086	23.48%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5	-2.1	-0.0002 mg/L	0.00036	-0.0002 mg/L	0.00036	176.72%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6	262.9	0.0004 mg/L	0.00013	0.0004 mg/L	0.00013	28.00%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2	-197.5	-0.0016 mg/L	0.00018	-0.0016 mg/L	0.00018	11.38%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6	377.6	0.0019 mg/L	0.00023	0.0019 mg/L	0.00023	12.12%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7	186.7	0.0004 mg/L	0.00016	0.0004 mg/L	0.00016	42.80%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

Sequence No.: 40
Sample ID: 20612072807
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 37
Date Collected: 12/8/2006 3:55:24 PM
Data Type: Reprocessed on 12/9/2006 9:18:04 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072807

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	75463.8	86.550	%	0.0249				0.03%
Ar 420.067 R	938105.8	94.623	%	0.1835				0.19%
Scandium-IS	3179870.4	98.275	%	0.3470				0.35%
Yttrium,7440-65-5A	1771691.3	105.45	%	0.436				0.41%
Yttrium,7440-65-5R	53375.7	111.65	%	0.869				0.78%
Aluminum,7429-90-5	47546.8	204.3	mg/L	1.43	8106	mg/kg	56.6	0.70%
Antimony,7440-36-0	147.1	0.0224	mg/L	0.00250	0.8878	mg/kg	0.09926	11.18%
Arsenic,7440-38-2	-208.0	0.0086	mg/L	0.00116	0.3424	mg/kg	0.04616	13.48%
Barium,7440-39-3	271102.6	1.2713	mg/L	0.00524	50.449	mg/kg	0.2079	0.41%
Beryllium,7440-41-7	64472.0	0.0151	mg/L	0.00008	0.6009	mg/kg	0.00327	0.54%
Boron,7440-42-8	13125.3	0.3507	mg/L	0.00047	13.916	mg/kg	0.0187	0.13%

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Cadmium,7440-43-9	3020.8	0.0024 mg/L	0.00015	0.0933 mg/kg	0.00578	6.20%
Calcium,7440-70-2	99364.4	154.1 mg/L	1.47	6116 mg/kg	58.5	0.96%
Chromium,7440-47-3	38217.2	0.1972 mg/L	0.00129	7.8263 mg/kg	0.05114	0.65%
Cobalt,7440-48-4	7700.3	0.1144 mg/L	0.00033	4.5412 mg/kg	0.01298	0.29%
Copper,7440-50-8	113569.4	0.2054 mg/L	0.00183	8.1508 mg/kg	0.07262	0.89%
Iron,7439-89-6	134178.3	248.26 mg/L	2.061	9851.6 mg/kg	81.79	0.83%
Lead,7439-92-1	2785.9	0.2443 mg/L	0.00075	9.6953 mg/kg	0.02961	0.31%
Lithium,7439-93-2	14309.8	0.2912 mg/L	0.00121	11.555 mg/kg	0.0480	0.42%
Magnesium,7439-95-4	14262.4	137.87 mg/L	0.199	5471.1 mg/kg	7.89	0.14%
Manganese, 7439-96-5	2798473.3	3.280 mg/L	0.0149	130.2 mg/kg	0.59	0.45%
Molybdenum,7439-98-7	301.1	0.0122 mg/L	0.00044	0.4831 mg/kg	0.01737	3.60%
Nickel,7440-02-0	19050.6	0.3016 mg/L	0.00012	11.967 mg/kg	0.0046	0.04%
Potassium,7440-09-7	143484.4	79.900 mg/L	0.3633	3170.6 mg/kg	14.42	0.45%
Selenium,7782-49-2	-335.6	-0.0076 mg/L	0.00218	-0.3002 mg/kg	0.08667	28.87%
Silicon,7440-21-3	1791.2	6.0344 mg/L	0.05024	239.46 mg/kg	1.994	0.83%
Silver,7440-22-4	-31367.2	-0.0046 mg/L	0.00170	-0.1808 mg/kg	0.06756	37.36%
Sodium,7440-23-5	681984.0	139.20 mg/L	0.414	5523.8 mg/kg	16.43	0.30%
Strontium,7440-24-6	670009.9	1.9692 mg/L	0.01424	78.143 mg/kg	0.5651	0.72%
Thallium,7440-28-0	-105.5	-0.0013 mg/L	0.00068	-0.0513 mg/kg	0.02717	52.95%
Tin,7440-31-5	-17.4	-0.0001 mg/L	0.00040	-0.0032 mg/kg	0.01586	499.91%
Titanium,7440-32-6	172405.8	0.2929 mg/L	0.00116	11.622 mg/kg	0.0461	0.40%
Vanadium,7440-62-2	47532.9	0.3584 mg/L	0.00176	14.223 mg/kg	0.0698	0.49%
Zinc,7440-66-6	262418.3	1.2996 mg/L	0.00647	51.571 mg/kg	0.2567	0.50%
Zirconium,7440-67-7	58457.5	0.1212 mg/L	0.00153	4.8101 mg/kg	0.06072	1.26%

Sequence No.: 41
Sample ID: 20612072808
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 38
Date Collected: 12/8/2006 4:01:58 PM
Data Type: Reprocessed on 12/9/2006 9:18:06 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072808

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	71141.1	81.592	%	0.1678				0.21%
Ar 420.067 R	913196.8	92.111	%	0.1543				0.17%
Scandium-IS	3129749.6	96.726	%	1.1419				1.18%
Yttrium,7440-65-5A	1734485.8	103.24	%	1.018				0.99%
Yttrium,7440-65-5R	51216.6	107.13	%	0.961				0.90%
Aluminum,7429-90-5	65370.2	280.8	mg/L	1.90	11230	mg/kg	76.0	0.68%
Antimony,7440-36-0	211.1	0.0312	mg/L	0.00425	1.2485	mg/kg	0.16992	13.61%
Arsenic,7440-38-2	-233.8	0.0244	mg/L	0.00060	0.9743	mg/kg	0.02388	2.45%
Barium,7440-39-3	358331.7	1.6806	mg/L	0.00384	67.226	mg/kg	0.1538	0.23%
Beryllium,7440-41-7	69375.6	0.0163	mg/L	0.00003	0.6519	mg/kg	0.00135	0.21%
Boron,7440-42-8	19715.2	0.4857	mg/L	0.00076	19.430	mg/kg	0.0304	0.16%
Cadmium,7440-43-9	3518.2	0.0029	mg/L	0.00026	0.1150	mg/kg	0.01042	9.07%
Calcium,7440-70-2	293239.6	454.9	mg/L	4.78	18190	mg/kg	191.0	1.05%
Chromium,7440-47-3	47050.8	0.2386	mg/L	0.00103	9.5444	mg/kg	0.04129	0.43%
Cobalt,7440-48-4	8192.1	0.1199	mg/L	0.00099	4.7950	mg/kg	0.03946	0.82%
Copper,7440-50-8	111859.8	0.1816	mg/L	0.00156	7.2621	mg/kg	0.06257	0.86%
Iron,7439-89-6	162520.6	300.70	mg/L	3.246	12028	mg/kg	129.8	1.08%
Lead,7439-92-1	3070.8	0.2816	mg/L	0.00344	11.265	mg/kg	0.1374	1.22%
Lithium,7439-93-2	17202.4	0.3504	mg/L	0.00242	14.017	mg/kg	0.0968	0.69%
Magnesium,7439-95-4	17446.9	168.65	mg/L	1.155	6746.2	mg/kg	46.19	0.68%
Manganese, 7439-96-5	3863745.2	4.528	mg/L	0.0099	181.1	mg/kg	0.40	0.22%
Molybdenum,7439-98-7	324.9	0.0131	mg/L	0.00180	0.5221	mg/kg	0.07190	13.77%
Nickel,7440-02-0	19491.2	0.3067	mg/L	0.00211	12.269	mg/kg	0.0843	0.69%
Potassium,7440-09-7	182550.9	101.66	mg/L	0.544	4066.6	mg/kg	21.77	0.54%
Selenium,7782-49-2	-422.4	-0.0096	mg/L	0.00264	-0.3828	mg/kg	0.10543	27.54%
Silicon,7440-21-3	2389.3	8.0520	mg/L	0.04861	322.08	mg/kg	1.945	0.60%
Silver,7440-22-4	-37568.1	-0.0056	mg/L	0.00142	-0.2251	mg/kg	0.05664	25.17%
Sodium,7440-23-5	718957.4	146.73	mg/L	1.376	5869.3	mg/kg	55.05	0.94%
Strontium,7440-24-6	1788705.2	5.2571	mg/L	0.05148	210.29	mg/kg	2.059	0.98%
Thallium,7440-28-0	-116.2	0.0019	mg/L	0.00421	0.0756	mg/kg	0.16824	222.56%
Tin,7440-31-5	-49.6	0.0036	mg/L	0.00141	0.1437	mg/kg	0.05658	39.38%
Titanium,7440-32-6	290670.2	0.4941	mg/L	0.00602	19.763	mg/kg	0.2410	1.22%
Vanadium,7440-62-2	67304.6	0.5098	mg/L	0.00153	20.391	mg/kg	0.0610	0.30%
Zinc,7440-66-6	323724.9	1.6037	mg/L	0.00404	64.149	mg/kg	0.1615	0.25%

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Zirconium,7440-67-7	96357.7	0.2024	mg/L	0.00072	8.0973	mg/kg	0.02876	0.36%

Sequence No.: 42
Sample ID: 20612072809
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 39
Date Collected: 12/8/2006 4:06:56 PM
Data Type: Reprocessed on 12/9/2006 9:18:08 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072809

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	72948.7	83.666	%	0.0283				0.03%
Ar 420.067 R	921408.5	92.939	%	0.2005				0.22%
Scandium-IS	3130290.0	96.742	%	0.0416				0.04%
Yttrium,7440-65-5A	1772551.6	105.50	%	0.049				0.05%
Yttrium,7440-65-5R	52856.6	110.56	%	0.401				0.36%
Aluminum,7429-90-5	56853.5	244.2	mg/L	0.34	9770	mg/kg	13.6	0.14%
Antimony,7440-36-0	168.1	0.0258	mg/L	0.00156	1.0302	mg/kg	0.06255	6.07%
Arsenic,7440-38-2	-149.5	0.0384	mg/L	0.00151	1.5366	mg/kg	0.06050	3.94%
Barium,7440-39-3	400412.2	1.8796	mg/L	0.01787	75.184	mg/kg	0.7149	0.95%
Beryllium,7440-41-7	67825.0	0.0159	mg/L	0.00015	0.6375	mg/kg	0.00603	0.95%
Boron,7440-42-8	14199.7	0.3985	mg/L	0.00316	15.940	mg/kg	0.1266	0.79%
Cadmium,7440-43-9	3481.7	0.0019	mg/L	0.00022	0.0752	mg/kg	0.00887	11.79%
Calcium,7440-70-2	151407.5	234.8	mg/L	1.13	9393	mg/kg	45.3	0.48%
Chromium,7440-47-3	46902.0	0.2389	mg/L	0.00109	9.5559	mg/kg	0.04379	0.46%
Cobalt,7440-48-4	8487.8	0.1252	mg/L	0.00053	5.0081	mg/kg	0.02130	0.43%
Copper,7440-50-8	103696.8	0.1567	mg/L	0.00236	6.2698	mg/kg	0.09421	1.50%
Iron,7439-89-6	163472.2	302.46	mg/L	0.626	12098	mg/kg	25.1	0.21%
Lead,7439-92-1	3709.7	0.3215	mg/L	0.00367	12.862	mg/kg	0.1469	1.14%
Lithium,7439-93-2	17841.9	0.3633	mg/L	0.00247	14.531	mg/kg	0.0989	0.68%
Magnesium,7439-95-4	21394.3	206.78	mg/L	0.856	8271.1	mg/kg	34.26	0.41%
Manganese, 7439-96-5	5434163.6	6.369	mg/L	0.0543	254.8	mg/kg	2.17	0.85%
Molybdenum,7439-98-7	78.9	0.0062	mg/L	0.00224	0.2486	mg/kg	0.08963	36.06%
Nickel,7440-02-0	19231.5	0.3020	mg/L	0.00060	12.081	mg/kg	0.0239	0.20%
Potassium,7440-09-7	162951.7	90.737	mg/L	0.2044	3629.5	mg/kg	8.18	0.23%
Selenium,7782-49-2	-418.8	-0.0171	mg/L	0.00804	-0.6830	mg/kg	0.32142	47.06%
Silicon,7440-21-3	1557.6	5.2117	mg/L	0.01430	208.47	mg/kg	0.572	0.27%
Silver,7440-22-4	-38203.3	-0.0071	mg/L	0.00096	-0.2839	mg/kg	0.03832	13.50%
Sodium,7440-23-5	1081138.5	220.68	mg/L	0.331	8827.2	mg/kg	13.24	0.15%
Strontium,7440-24-6	378919.5	1.1103	mg/L	0.00229	44.411	mg/kg	0.0917	0.21%
Thallium,7440-28-0	-141.5	-0.0013	mg/L	0.00520	-0.0505	mg/kg	0.20818	412.56%
Tin,7440-31-5	-53.3	-0.0014	mg/L	0.00207	-0.0555	mg/kg	0.08287	149.44%
Titanium,7440-32-6	203776.2	0.3461	mg/L	0.00291	13.842	mg/kg	0.1165	0.84%
Vanadium,7440-62-2	51303.4	0.3861	mg/L	0.00319	15.442	mg/kg	0.1277	0.83%
Zinc,7440-66-6	235706.3	1.1574	mg/L	0.01190	46.294	mg/kg	0.4760	1.03%
Zirconium,7440-67-7	38004.0	0.0798	mg/L	0.00066	3.1931	mg/kg	0.02641	0.83%

Sequence No.: 43
Sample ID: 20612072810
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 40
Date Collected: 12/8/2006 4:12:52 PM
Data Type: Reprocessed on 12/9/2006 9:18:10 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072810

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	75592.3	86.698	%	0.2029				0.23%
Ar 420.067 R	942255.5	95.042	%	0.0959				0.10%
Scandium-IS	3231785.4	99.879	%	0.9641				0.97%
Yttrium,7440-65-5A	1802153.4	107.27	%	0.957				0.89%
Yttrium,7440-65-5R	53084.6	111.04	%	1.233				1.11%
Aluminum,7429-90-5	55195.5	237.1	mg/L	0.80	9410	mg/kg	31.7	0.34%
Antimony,7440-36-0	169.0	0.0265	mg/L	0.00118	1.0503	mg/kg	0.04684	4.46%
Arsenic,7440-38-2	-123.9	0.0442	mg/L	0.00478	1.7523	mg/kg	0.18965	10.82%
Barium,7440-39-3	376535.3	1.7671	mg/L	0.01038	70.125	mg/kg	0.4119	0.59%

Beryllium,7440-41-7	66772.2	0.0157	mg/L	0.00008	0.6231	mg/kg	0.00302	0.49%
Boron,7440-42-8	9634.5	0.3282	mg/L	0.00126	13.025	mg/kg	0.0499	0.38%
Cadmium,7440-43-9	3526.8	0.0017	mg/L	0.00014	0.0669	mg/kg	0.00551	8.24%
Calcium,7440-70-2	78064.2	121.1	mg/L	0.60	4804	mg/kg	23.8	0.50%
Chromium,7440-47-3	44869.0	0.2294	mg/L	0.00120	9.1043	mg/kg	0.04745	0.52%
Cobalt,7440-48-4	9374.4	0.1394	mg/L	0.00098	5.5321	mg/kg	0.03907	0.71%
Copper,7440-50-8	90490.1	0.1214	mg/L	0.00123	4.8162	mg/kg	0.04862	1.01%
Iron,7439-89-6	165795.4	306.76	mg/L	1.262	12173	mg/kg	50.1	0.41%
Lead,7439-92-1	3601.2	0.3103	mg/L	0.00215	12.313	mg/kg	0.0853	0.69%
Lithium,7439-93-2	16345.3	0.3328	mg/L	0.00136	13.206	mg/kg	0.0541	0.41%
Magnesium,7439-95-4	17383.1	168.04	mg/L	0.197	6668.1	mg/kg	7.80	0.12%
Manganese, 7439-96-5	6055388.8	7.097	mg/L	0.0751	281.6	mg/kg	2.98	1.06%
Molybdenum,7439-98-7	44.7	0.0056	mg/L	0.00136	0.2207	mg/kg	0.05407	24.50%
Nickel,7440-02-0	19431.3	0.3050	mg/L	0.00170	12.103	mg/kg	0.0676	0.56%
Potassium,7440-09-7	159822.9	88.991	mg/L	0.3435	3531.4	mg/kg	13.63	0.39%
Selenium,7782-49-2	-426.1	-0.0211	mg/L	0.00750	-0.8374	mg/kg	0.29766	35.54%
Silicon,7440-21-3	1636.1	5.4979	mg/L	0.02801	218.17	mg/kg	1.112	0.51%
Silver,7440-22-4	-39319.2	-0.0081	mg/L	0.00110	-0.3203	mg/kg	0.04360	13.61%
Sodium,7440-23-5	541742.4	110.56	mg/L	0.480	4387.3	mg/kg	19.03	0.43%
Strontium,7440-24-6	274781.3	0.8059	mg/L	0.00256	31.979	mg/kg	0.1017	0.32%
Thallium,7440-28-0	-161.1	-0.0034	mg/L	0.00163	-0.1330	mg/kg	0.06484	48.74%
Tin,7440-31-5	-18.4	-0.0012	mg/L	0.00146	-0.0459	mg/kg	0.05780	125.91%
Titanium,7440-32-6	186681.1	0.3169	mg/L	0.00247	12.576	mg/kg	0.0980	0.78%
Vanadium,7440-62-2	52516.6	0.3939	mg/L	0.00241	15.630	mg/kg	0.0956	0.61%
Zinc,7440-66-6	308631.0	1.5270	mg/L	0.01025	60.594	mg/kg	0.4068	0.67%
Zirconium,7440-67-7	46038.9	0.0948	mg/L	0.00056	3.7631	mg/kg	0.02236	0.59%

Sequence No.: 44
Sample ID: 20612072811
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 41
Date Collected: 12/8/2006 4:19:37 PM
Data Type: Reprocessed on 12/9/2006 9:18:13 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072811

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	73703.0	84.531	%	0.1103				0.13%
Ar 420.067 R	930134.9	93.819	%	0.2010				0.21%
Scandium-IS	3141582.0	97.091	%	0.5924				0.61%
Yttrium,7440-65-5A	1785514.5	106.28	%	0.626				0.59%
Yttrium,7440-65-5R	53266.7	111.42	%	0.219				0.20%
Aluminum,7429-90-5	58823.0	252.7	mg/L	0.16	10030	mg/kg	6.2	0.06%
Antimony,7440-36-0	179.3	0.0277	mg/L	0.00070	1.0987	mg/kg	0.02786	2.54%
Arsenic,7440-38-2	-185.4	0.0324	mg/L	0.00449	1.2844	mg/kg	0.17822	13.88%
Barium,7440-39-3	395578.8	1.8566	mg/L	0.00985	73.674	mg/kg	0.3909	0.53%
Beryllium,7440-41-7	73652.8	0.0172	mg/L	0.00007	0.6837	mg/kg	0.00259	0.38%
Boron,7440-42-8	7951.1	0.3053	mg/L	0.00339	12.117	mg/kg	0.1345	1.11%
Cadmium,7440-43-9	3689.4	0.0020	mg/L	0.00009	0.0788	mg/kg	0.00345	4.38%
Calcium,7440-70-2	110190.0	170.9	mg/L	0.56	6782	mg/kg	22.1	0.33%
Chromium,7440-47-3	46302.2	0.2337	mg/L	0.00080	9.2757	mg/kg	0.03161	0.34%
Cobalt,7440-48-4	9876.6	0.1470	mg/L	0.00018	5.8314	mg/kg	0.00728	0.12%
Copper,7440-50-8	109719.8	0.1649	mg/L	0.00105	6.5441	mg/kg	0.04162	0.64%
Iron,7439-89-6	169760.6	314.10	mg/L	1.327	12464	mg/kg	52.7	0.42%
Lead,7439-92-1	3982.3	0.3432	mg/L	0.00250	13.619	mg/kg	0.0993	0.73%
Lithium,7439-93-2	18278.9	0.3721	mg/L	0.00105	14.766	mg/kg	0.0417	0.28%
Magnesium,7439-95-4	19527.4	188.75	mg/L	0.928	7490.0	mg/kg	36.84	0.49%
Manganese, 7439-96-5	7257029.4	8.505	mg/L	0.0393	337.5	mg/kg	1.56	0.46%
Molybdenum,7439-98-7	89.3	0.0071	mg/L	0.00136	0.2798	mg/kg	0.05378	19.22%
Nickel,7440-02-0	21841.6	0.3439	mg/L	0.00023	13.647	mg/kg	0.0091	0.07%
Potassium,7440-09-7	166219.7	92.556	mg/L	0.0856	3672.8	mg/kg	3.40	0.09%
Selenium,7782-49-2	-435.8	-0.0214	mg/L	0.00451	-0.8493	mg/kg	0.17909	21.09%
Silicon,7440-21-3	1664.9	5.5853	mg/L	0.05340	221.64	mg/kg	2.119	0.96%
Silver,7440-22-4	-39593.9	-0.0071	mg/L	0.00068	-0.2810	mg/kg	0.02699	9.60%
Sodium,7440-23-5	678335.3	138.44	mg/L	0.429	5493.8	mg/kg	17.01	0.31%
Strontium,7440-24-6	292345.6	0.8565	mg/L	0.00091	33.990	mg/kg	0.0362	0.11%
Thallium,7440-28-0	-208.9	-0.0083	mg/L	0.00184	-0.3303	mg/kg	0.07290	22.07%
Tin,7440-31-5	93.8	0.0106	mg/L	0.00083	0.4195	mg/kg	0.03294	7.85%
Titanium,7440-32-6	197589.3	0.3354	mg/L	0.00104	13.310	mg/kg	0.0414	0.31%

Vanadium,7440-62-2	51467.3	0.3856	mg/L	0.00199	15.302	mg/kg	0.0791	0.52%
Zinc,7440-66-6	235000.0	1.1524	mg/L	0.00684	45.732	mg/kg	0.2714	0.59%
Zirconium,7440-67-7	39452.3	0.0818	mg/L	0.00066	3.2441	mg/kg	0.02617	0.81%

Sequence No.: 45
Sample ID: 20612072812
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 42
Date Collected: 12/8/2006 4:25:31 PM
Data Type: Reprocessed on 12/9/2006 9:18:15 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072812

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	77661.9	89.071	%	0.0462				0.05%
Ar 420.067 R	949798.8	95.802	%	0.1637				0.17%
Scandium-IS	3193482.8	98.695	%	1.4050				1.42%
Yttrium,7440-65-5A	1769668.2	105.33	%	1.312				1.25%
Yttrium,7440-65-5R	53064.6	110.99	%	0.717				0.65%
Aluminum,7429-90-5	53999.6	232.0	mg/L	0.56	9279	mg/kg	22.5	0.24%
Antimony,7440-36-0	162.7	0.0251	mg/L	0.00187	1.0043	mg/kg	0.07483	7.45%
Arsenic,7440-38-2	-66.3	0.0587	mg/L	0.00425	2.3468	mg/kg	0.17015	7.25%
Barium,7440-39-3	227951.6	1.0663	mg/L	0.01065	42.651	mg/kg	0.4260	1.00%
Beryllium,7440-41-7	61946.4	0.0145	mg/L	0.00014	0.5809	mg/kg	0.00567	0.98%
Boron,7440-42-8	13391.2	0.3819	mg/L	0.00170	15.275	mg/kg	0.0679	0.44%
Cadmium,7440-43-9	3166.4	0.0007	mg/L	0.00006	0.0271	mg/kg	0.00251	9.29%
Calcium,7440-70-2	16441.1	25.47	mg/L	0.045	1019	mg/kg	1.8	0.18%
Chromium,7440-47-3	44002.3	0.2236	mg/L	0.00165	8.9436	mg/kg	0.06586	0.74%
Cobalt,7440-48-4	8393.7	0.1239	mg/L	0.00105	4.9577	mg/kg	0.04197	0.85%
Copper,7440-50-8	97458.2	0.1405	mg/L	0.00230	5.6187	mg/kg	0.09181	1.63%
Iron,7439-89-6	159629.1	295.35	mg/L	0.728	11814	mg/kg	29.1	0.25%
Lead,7439-92-1	3088.7	0.2684	mg/L	0.00230	10.737	mg/kg	0.0920	0.86%
Lithium,7439-93-2	16336.2	0.3325	mg/L	0.00060	13.301	mg/kg	0.0241	0.18%
Magnesium,7439-95-4	18106.5	175.01	mg/L	0.313	7000.6	mg/kg	12.51	0.18%
Manganese, 7439-96-5	7030407.5	8.240	mg/L	0.0452	329.6	mg/kg	1.81	0.55%
Molybdenum,7439-98-7	133.1	0.0085	mg/L	0.00117	0.3391	mg/kg	0.04661	13.75%
Nickel,7440-02-0	19430.7	0.3052	mg/L	0.00319	12.209	mg/kg	0.1276	1.05%
Potassium,7440-09-7	133577.4	74.366	mg/L	0.4725	2974.7	mg/kg	18.90	0.64%
Selenium,7782-49-2	-380.3	-0.0087	mg/L	0.00303	-0.3467	mg/kg	0.12108	34.92%
Silicon,7440-21-3	1471.0	4.9325	mg/L	0.01635	197.30	mg/kg	0.654	0.33%
Silver,7440-22-4	-37829.0	-0.0069	mg/L	0.00143	-0.2756	mg/kg	0.05705	20.70%
Sodium,7440-23-5	1188576.9	242.62	mg/L	0.485	9704.8	mg/kg	19.39	0.20%
Strontium,7440-24-6	133349.5	0.3913	mg/L	0.00098	15.653	mg/kg	0.0391	0.25%
Thallium,7440-28-0	-153.5	-0.0018	mg/L	0.00076	-0.0701	mg/kg	0.03057	43.62%
Tin,7440-31-5	117.5	0.0093	mg/L	0.00182	0.3725	mg/kg	0.07281	19.55%
Titanium,7440-32-6	171592.8	0.2912	mg/L	0.00233	11.648	mg/kg	0.0933	0.80%
Vanadium,7440-62-2	53608.9	0.4037	mg/L	0.00543	16.149	mg/kg	0.2171	1.34%
Zinc,7440-66-6	197929.6	0.9673	mg/L	0.00855	38.692	mg/kg	0.3419	0.88%
Zirconium,7440-67-7	36019.4	0.0730	mg/L	0.00075	2.9180	mg/kg	0.02995	1.03%

Sequence No.: 46
Sample ID: 20612072813
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 43
Date Collected: 12/8/2006 4:32:14 PM
Data Type: Reprocessed on 12/9/2006 9:18:16 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072813

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	75192.3	86.239	%	0.1398				0.16%
Ar 420.067 R	946752.3	95.495	%	0.0311				0.03%
Scandium-IS	3218003.7	99.453	%	1.7010				1.71%
Yttrium,7440-65-5A	1743813.2	103.79	%	1.637				1.58%
Yttrium,7440-65-5R	51356.6	107.42	%	0.178				0.17%
Aluminum,7429-90-5	36951.2	158.7	mg/L	0.26	6350	mg/kg	10.4	0.16%
Antimony,7440-36-0	92.8	0.0139	mg/L	0.00250	0.5548	mg/kg	0.09986	18.00%

Arsenic,7440-38-2	-202.9	-0.0047 mg/L	0.00323	-0.1870 mg/kg	0.12909	69.05%
Barium,7440-39-3	189570.6	0.8885 mg/L	0.00728	35.540 mg/kg	0.2913	0.82%
Beryllium,7440-41-7	44878.4	0.0105 mg/L	0.00009	0.4213 mg/kg	0.00365	0.87%
Boron,7440-42-8	23112.1	0.4743 mg/L	0.00280	18.973 mg/kg	0.1122	0.59%
Cadmium,7440-43-9	1749.9	0.0001 mg/L	0.00014	0.0043 mg/kg	0.00544	127.62%
Calcium,7440-70-2	104222.0	161.7 mg/L	0.50	6466 mg/kg	20.1	0.31%
Chromium,7440-47-3	28457.8	0.1458 mg/L	0.00148	5.8329 mg/kg	0.05903	1.01%
Cobalt,7440-48-4	5521.6	0.0816 mg/L	0.00039	3.2642 mg/kg	0.01544	0.47%
Copper,7440-50-8	75168.5	0.1289 mg/L	0.00184	5.1571 mg/kg	0.07351	1.43%
Iron,7439-89-6	99659.2	184.39 mg/L	0.556	7375.7 mg/kg	22.22	0.30%
Lead,7439-92-1	1976.7	0.1761 mg/L	0.00144	7.0460 mg/kg	0.05761	0.82%
Lithium,7439-93-2	10352.5	0.2108 mg/L	0.00035	8.4308 mg/kg	0.01384	0.16%
Magnesium,7439-95-4	10803.7	104.44 mg/L	0.407	4177.4 mg/kg	16.28	0.39%
Manganese, 7439-96-5	2120579.5	2.485 mg/L	0.0198	99.41 mg/kg	0.792	0.80%
Molybdenum,7439-98-7	846.9	0.0278 mg/L	0.00060	1.1108 mg/kg	0.02395	2.16%
Nickel,7440-02-0	13562.7	0.2144 mg/L	0.00136	8.5744 mg/kg	0.05456	0.64%
Potassium,7440-09-7	133960.2	74.609 mg/L	0.5186	2984.3 mg/kg	20.74	0.70%
Selenium,7782-49-2	-264.4	-0.0120 mg/L	0.00560	-0.4803 mg/kg	0.22381	46.60%
Silicon,7440-21-3	2277.5	7.6941 mg/L	0.05335	307.76 mg/kg	2.134	0.69%
Silver,7440-22-4	-23246.0	-0.0035 mg/L	0.00063	-0.1393 mg/kg	0.02522	18.10%
Sodium,7440-23-5	675544.1	137.89 mg/L	0.617	5515.7 mg/kg	24.66	0.45%
Strontium,7440-24-6	597281.2	1.7551 mg/L	0.00673	70.202 mg/kg	0.2690	0.38%
Thallium,7440-28-0	-66.7	0.0013 mg/L	0.00057	0.0520 mg/kg	0.02291	44.06%
Tin,7440-31-5	-114.4	-0.0084 mg/L	0.00142	-0.3369 mg/kg	0.05696	16.91%
Titanium,7440-32-6	184229.0	0.3132 mg/L	0.00208	12.527 mg/kg	0.0834	0.67%
Vanadium,7440-62-2	36759.6	0.2776 mg/L	0.00393	11.103 mg/kg	0.1574	1.42%
Zinc,7440-66-6	237114.3	1.1789 mg/L	0.01019	47.158 mg/kg	0.4075	0.86%
Zirconium,7440-67-7	55111.7	0.1145 mg/L	0.00297	4.5806 mg/kg	0.11893	2.60%

Sequence No.: 47
Sample ID: 20612072814
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 44
Date Collected: 12/8/2006 4:37:57 PM
Data Type: Reprocessed on 12/9/2006 9:18:19 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072814

Analyte	Mean Corrected Intensity	Conc.	Calib Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	73580.6	84.390	%	0.0762				0.09%
Ar 420.067 R	935141.5	94.324	%	0.0230				0.02%
Scandium-IS	3200886.3	98.924	%	0.4911				0.50%
Yttrium,7440-65-5A	1727131.4	102.80	%	0.552				0.54%
Yttrium,7440-65-5R	51163.3	107.02	%	0.764				0.71%
Aluminum,7429-90-5	38813.0	166.7	mg/L	0.80	6670	mg/kg	32.1	0.48%
Antimony,7440-36-0	84.0	0.0126	mg/L	0.00145	0.5033	mg/kg	0.05795	11.52%
Arsenic,7440-38-2	-190.6	0.0015	mg/L	0.00111	0.0615	mg/kg	0.04452	72.37%
Barium,7440-39-3	214718.7	1.0068	mg/L	0.01224	40.274	mg/kg	0.4895	1.22%
Beryllium,7440-41-7	44205.0	0.0104	mg/L	0.00011	0.4143	mg/kg	0.00425	1.03%
Boron,7440-42-8	22826.8	0.4729	mg/L	0.00448	18.917	mg/kg	0.1793	0.95%
Cadmium,7440-43-9	1651.2	-0.0004	mg/L	0.00012	-0.0172	mg/kg	0.00464	26.93%
Calcium,7440-70-2	156366.4	242.5	mg/L	0.91	9702	mg/kg	36.5	0.38%
Chromium,7440-47-3	28674.6	0.1457	mg/L	0.00281	5.8292	mg/kg	0.11245	1.93%
Cobalt,7440-48-4	5721.2	0.0845	mg/L	0.00019	3.3789	mg/kg	0.00752	0.22%
Copper,7440-50-8	73454.8	0.1215	mg/L	0.00252	4.8593	mg/kg	0.10086	2.08%
Iron,7439-89-6	102649.0	189.92	mg/L	0.830	7596.9	mg/kg	33.19	0.44%
Lead,7439-92-1	2069.0	0.1853	mg/L	0.00195	7.4136	mg/kg	0.07813	1.05%
Lithium,7439-93-2	10407.0	0.2120	mg/L	0.00126	8.4806	mg/kg	0.05050	0.60%
Magnesium,7439-95-4	10795.8	104.36	mg/L	0.685	4174.5	mg/kg	27.42	0.66%
Manganese, 7439-96-5	2655073.4	3.112	mg/L	0.0359	124.5	mg/kg	1.44	1.15%
Molybdenum,7439-98-7	762.7	0.0252	mg/L	0.00040	1.0061	mg/kg	0.01619	1.61%
Nickel,7440-02-0	13742.4	0.2170	mg/L	0.00069	8.6793	mg/kg	0.02758	0.32%
Potassium,7440-09-7	132099.5	73.573	mg/L	0.0525	2942.9	mg/kg	2.10	0.07%
Selenium,7782-49-2	-257.8	-0.0034	mg/L	0.00182	-0.1341	mg/kg	0.07270	54.23%
Silicon,7440-21-3	2782.2	9.4062	mg/L	0.02111	376.25	mg/kg	0.845	0.22%
Silver,7440-22-4	-23524.5	-0.0029	mg/L	0.00079	-0.1167	mg/kg	0.03159	27.08%
Sodium,7440-23-5	687301.3	140.29	mg/L	0.565	5611.6	mg/kg	22.60	0.40%
Strontium,7440-24-6	865009.8	2.5418	mg/L	0.00780	101.67	mg/kg	0.312	0.31%
Thallium,7440-28-0	-87.6	-0.0005	mg/L	0.00305	-0.0204	mg/kg	0.12208	598.69%

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Tin,7440-31-5	-123.1	-0.0073	mg/L	0.00078	-0.2907	mg/kg	0.03134	10.78%
Titanium,7440-32-6	209557.9	0.3563	mg/L	0.00249	14.251	mg/kg	0.0994	0.70%
Vanadium,7440-62-2	39123.2	0.2954	mg/L	0.00362	11.817	mg/kg	0.1449	1.23%
Zinc,7440-66-6	257157.2	1.2797	mg/L	0.01587	51.187	mg/kg	0.6347	1.24%
Zirconium,7440-67-7	56164.5	0.1176	mg/L	0.00150	4.7030	mg/kg	0.06000	1.28%

Sequence No.: 48
Sample ID: 20612072815
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 45
Date Collected: 12/8/2006 4:43:40 PM
Data Type: Reprocessed on 12/9/2006 9:18:20 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072815

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ar 363.268 A	75846.3	86.989	%	0.1511				0.17%
Ar 420.067 R	954243.8	96.251	%	0.0878				0.09%
Scandium-IS	3177101.0	98.189	%	0.2505				0.26%
Yttrium,7440-65-5A	1724820.4	102.66	%	0.207				0.20%
Yttrium,7440-65-5R	51062.3	106.81	%	0.336				0.31%
Aluminum,7429-90-5	38184.5	164.0	mg/L	1.87	6562	mg/kg	74.7	1.14%
Antimony,7440-36-0	110.6	0.0167	mg/L	0.00104	0.6680	mg/kg	0.04151	6.22%
Arsenic,7440-38-2	-212.6	-0.0044	mg/L	0.00419	-0.1744	mg/kg	0.16741	95.98%
Barium,7440-39-3	269500.1	1.2653	mg/L	0.00582	50.613	mg/kg	0.2328	0.46%
Beryllium,7440-41-7	48266.9	0.0113	mg/L	0.00006	0.4513	mg/kg	0.00244	0.54%
Boron,7440-42-8	18930.6	0.4129	mg/L	0.00201	16.517	mg/kg	0.0803	0.49%
Cadmium,7440-43-9	1671.5	-0.0006	mg/L	0.00021	-0.0249	mg/kg	0.00850	34.14%
Calcium,7440-70-2	136168.0	211.2	mg/L	2.71	8448	mg/kg	108.6	1.28%
Chromium,7440-47-3	30539.3	0.1573	mg/L	0.00136	6.2934	mg/kg	0.05432	0.86%
Cobalt,7440-48-4	5852.7	0.0864	mg/L	0.00057	3.4557	mg/kg	0.02287	0.66%
Copper,7440-50-8	99201.7	0.1861	mg/L	0.00206	7.4444	mg/kg	0.08222	1.10%
Iron,7439-89-6	104883.5	194.06	mg/L	2.789	7762.3	mg/kg	111.58	1.44%
Lead,7439-92-1	2432.6	0.2128	mg/L	0.00165	8.5103	mg/kg	0.06619	0.78%
Lithium,7439-93-2	10873.6	0.2214	mg/L	0.00208	8.8574	mg/kg	0.08329	0.94%
Magnesium,7439-95-4	11316.4	109.39	mg/L	1.375	4375.7	mg/kg	54.99	1.26%
Manganese, 7439-96-5	2500334.7	2.930	mg/L	0.0139	117.2	mg/kg	0.55	0.47%
Molybdenum,7439-98-7	544.3	0.0186	mg/L	0.00037	0.7455	mg/kg	0.01477	1.98%
Nickel,7440-02-0	15584.5	0.2469	mg/L	0.00136	9.8763	mg/kg	0.05420	0.55%
Potassium,7440-09-7	129700.9	72.234	mg/L	0.9128	2889.4	mg/kg	36.51	1.26%
Selenium,7782-49-2	-274.4	-0.0102	mg/L	0.00142	-0.4087	mg/kg	0.05679	13.90%
Silicon,7440-21-3	2912.2	9.8455	mg/L	0.12062	393.82	mg/kg	4.825	1.23%
Silver,7440-22-4	-23996.9	-0.0024	mg/L	0.00136	-0.0961	mg/kg	0.05440	56.58%
Sodium,7440-23-5	626922.7	127.96	mg/L	1.405	5118.5	mg/kg	56.20	1.10%
Strontium,7440-24-6	777871.5	2.2858	mg/L	0.02598	91.432	mg/kg	1.0391	1.14%
Thallium,7440-28-0	-78.1	0.0007	mg/L	0.00094	0.0297	mg/kg	0.03743	125.83%
Tin,7440-31-5	-30.1	0.0007	mg/L	0.00155	0.0270	mg/kg	0.06208	230.07%
Titanium,7440-32-6	214563.0	0.3648	mg/L	0.00186	14.592	mg/kg	0.0744	0.51%
Vanadium,7440-62-2	40831.7	0.3088	mg/L	0.00353	12.353	mg/kg	0.1414	1.14%
Zinc,7440-66-6	271325.6	1.3508	mg/L	0.00630	54.030	mg/kg	0.2521	0.47%
Zirconium,7440-67-7	63437.9	0.1321	mg/L	0.00093	5.2847	mg/kg	0.03702	0.70%

Sequence No.: 49
Sample ID: 20612072816
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 46
Date Collected: 12/8/2006 4:49:23 PM
Data Type: Reprocessed on 12/9/2006 9:18:22 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072816

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ar 363.268 A	78124.2	89.601	%	0.9293				1.04%
Ar 420.067 R	992902.3	100.15	%	0.078				0.08%
Scandium-IS	3241130.0	100.17	%	1.060				1.06%
Yttrium,7440-65-5A	1735009.5	103.27	%	1.208				1.17%
Yttrium,7440-65-5R	50397.4	105.42	%	0.935				0.89%

Aluminum,7429-90-5	24790.8	106.5	mg/L	0.85	4226	mg/kg	33.9	0.80%
Antimony,7440-36-0	95.7	0.0156	mg/L	0.00179	0.6181	mg/kg	0.07111	11.50%
Arsenic,7440-38-2	-196.7	-0.0144	mg/L	0.00240	-0.5720	mg/kg	0.09519	16.64%
Barium,7440-39-3	1505127.8	7.0984	mg/L	0.05095	281.68	mg/kg	2.022	0.72%
Beryllium,7440-41-7	34882.1	0.0081	mg/L	0.00008	0.3229	mg/kg	0.00311	0.96%
Boron,7440-42-8	15995.2	0.3538	mg/L	0.01026	14.040	mg/kg	0.4072	2.90%
Cadmium,7440-43-9	2043.3	0.0007	mg/L	0.00036	0.0267	mg/kg	0.01445	54.11%
Calcium,7440-70-2	74294.7	115.2	mg/L	1.23	4573	mg/kg	49.0	1.07%
Chromium,7440-47-3	30104.3	0.1640	mg/L	0.00152	6.5067	mg/kg	0.06035	0.93%
Cobalt,7440-48-4	5096.5	0.0752	mg/L	0.00044	2.9837	mg/kg	0.01759	0.59%
Copper,7440-50-8	189203.9	0.4239	mg/L	0.00349	16.820	mg/kg	0.1384	0.82%
Iron,7439-89-6	93132.9	172.32	mg/L	0.396	6838.1	mg/kg	15.71	0.23%
Lead,7439-92-1	5362.9	0.4327	mg/L	0.00187	17.171	mg/kg	0.0742	0.43%
Lithium,7439-93-2	7978.9	0.1626	mg/L	0.00069	6.4510	mg/kg	0.02730	0.42%
Magnesium,7439-95-4	9041.0	87.406	mg/L	0.6835	3468.5	mg/kg	27.12	0.78%
Manganese, 7439-96-5	1816726.5	2.129	mg/L	0.0169	84.49	mg/kg	0.672	0.80%
Molybdenum,7439-98-7	495.6	0.0168	mg/L	0.00043	0.6667	mg/kg	0.01720	2.58%
Nickel,7440-02-0	11407.2	0.1794	mg/L	0.00087	7.1203	mg/kg	0.03444	0.48%
Potassium,7440-09-7	73064.2	40.676	mg/L	0.1466	1614.1	mg/kg	5.82	0.36%
Selenium,7782-49-2	-227.1	-0.0040	mg/L	0.00188	-0.1570	mg/kg	0.07449	47.45%
Silicon,7440-21-3	2797.4	9.4658	mg/L	0.07012	375.63	mg/kg	2.783	0.74%
Silver,7440-22-4	-20529.6	0.0006	mg/L	0.00038	0.0230	mg/kg	0.01504	65.41%
Sodium,7440-23-5	296639.4	60.542	mg/L	0.2769	2402.4	mg/kg	10.99	0.46%
Strontium,7440-24-6	222291.1	0.6518	mg/L	0.00206	25.866	mg/kg	0.0818	0.32%
Thallium,7440-28-0	-61.1	0.0007	mg/L	0.00365	0.0267	mg/kg	0.14489	543.40%
Tin,7440-31-5	-11.0	0.0007	mg/L	0.00189	0.0286	mg/kg	0.07488	261.69%
Titanium,7440-32-6	156890.2	0.2667	mg/L	0.00317	10.582	mg/kg	0.1257	1.19%
Vanadium,7440-62-2	31984.5	0.2406	mg/L	0.00440	9.5474	mg/kg	0.17469	1.83%
Zinc,7440-66-6	925616.1	4.6667	mg/L	0.02855	185.19	mg/kg	1.133	0.61%
Zirconium,7440-67-7	47221.4	0.0978	mg/L	0.00118	3.8813	mg/kg	0.04689	1.21%

Sequence No.: 50
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/8/2006 4:55:06 PM
Data Type: Reprocessed on 12/9/2006 9:18:24 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
Ar 363.268 A	81738.1	93.746	%	0.0612				0.07%
Ar 420.067 R	976695.3	98.515	%	0.0482				0.05%
Scandium-IS	3189445.2	98.571	%	0.3932				0.40%
Yttrium,7440-65-5A	1651897.5	98.322	%	0.3589				0.37%
Yttrium,7440-65-5R	47801.6	99.986	%	1.0365				1.04%
Aluminum,7429-90-5	1156.5	4.971	mg/L	0.0237	4.971	mg/L	0.0237	0.48%
QC value within limits for Aluminum,7429-90-5 Recovery = 99.43%								
Antimony,7440-36-0	3231.4	0.4881	mg/L	0.00123	0.4881	mg/L	0.00123	0.25%
QC value within limits for Antimony,7440-36-0 Recovery = 97.63%								
Arsenic,7440-38-2	1811.9	0.4942	mg/L	0.00248	0.4942	mg/L	0.00248	0.50%
QC value within limits for Arsenic,7440-38-2 Recovery = 98.84%								
Barium,7440-39-3	105062.4	0.4952	mg/L	0.00343	0.4952	mg/L	0.00343	0.69%
QC value within limits for Barium,7440-39-3 Recovery = 99.04%								
Beryllium,7440-41-7	2153007.3	0.4938	mg/L	0.00170	0.4938	mg/L	0.00170	0.34%
QC value within limits for Beryllium,7440-41-7 Recovery = 98.77%								
Boron,7440-42-8	153438.4	2.4589	mg/L	0.01939	2.4589	mg/L	0.01939	0.79%
QC value within limits for Boron,7440-42-8 Recovery = 98.36%								
Cadmium,7440-43-9	137861.8	0.4931	mg/L	0.00320	0.4931	mg/L	0.00320	0.65%
QC value within limits for Cadmium,7440-43-9 Recovery = 98.63%								
Calcium,7440-70-2	3220.6	4.994	mg/L	0.0056	4.994	mg/L	0.0056	0.11%
QC value within limits for Calcium,7440-70-2 Recovery = 99.88%								
Chromium,7440-47-3	81447.5	0.4925	mg/L	0.00291	0.4925	mg/L	0.00291	0.59%
QC value within limits for Chromium,7440-47-3 Recovery = 98.50%								
Cobalt,7440-48-4	31105.1	0.4971	mg/L	0.00159	0.4971	mg/L	0.00159	0.32%
QC value within limits for Cobalt,7440-48-4 Recovery = 99.43%								
Copper,7440-50-8	195884.3	0.4954	mg/L	0.00347	0.4954	mg/L	0.00347	0.70%
QC value within limits for Copper,7440-50-8 Recovery = 99.09%								
Iron,7439-89-6	2789.5	5.1603	mg/L	0.00798	5.1603	mg/L	0.00798	0.15%

QC value within limits for Iron,7439-89-6 Recovery = 103.21%

Lead,7439-92-1	6266.2	0.4955 mg/L	0.00101	0.4955 mg/L	0.00101	0.20%
QC value within limits for Lead,7439-92-1 Recovery = 99.10%						
Lithium,7439-93-2	25210.7	0.5096 mg/L	0.00403	0.5096 mg/L	0.00403	0.79%
QC value within limits for Lithium,7439-93-2 Recovery = 101.91%						
Magnesium,7439-95-4	514.9	4.9747 mg/L	0.05630	4.9747 mg/L	0.05630	1.13%
QC value within limits for Magnesium,7439-95-4 Recovery = 99.49%						
Manganese, 7439-96-5	427995.2	0.501 mg/L	0.0031	0.501 mg/L	0.0031	0.62%
QC value within limits for Manganese, 7439-96-5 Recovery = 100.25%						
Molybdenum,7439-98-7	16391.3	0.4948 mg/L	0.00184	0.4948 mg/L	0.00184	0.37%
QC value within limits for Molybdenum,7439-98-7 Recovery = 98.95%						
Nickel,7440-02-0	30562.8	0.4984 mg/L	0.00127	0.4984 mg/L	0.00127	0.26%
QC value within limits for Nickel,7440-02-0 Recovery = 99.69%						
Potassium,7440-09-7	18908.5	10.535 mg/L	0.1337	10.535 mg/L	0.1337	1.27%
QC value within limits for Potassium,7440-09-7 Recovery = 105.35%						
Selenium,7782-49-2	985.2	0.5122 mg/L	0.00343	0.5122 mg/L	0.00343	0.67%
QC value within limits for Selenium,7782-49-2 Recovery = 102.43%						
Silicon,7440-21-3	154.9	0.5229 mg/L	0.00521	0.5229 mg/L	0.00521	1.00%
QC value within limits for Silicon,7440-21-3 Recovery = 104.58%						
Silver,7440-22-4	158832.7	0.5077 mg/L	0.00305	0.5077 mg/L	0.00305	0.60%
QC value within limits for Silver,7440-22-4 Recovery = 101.55%						
Sodium,7440-23-5	102856.3	20.997 mg/L	0.0451	20.997 mg/L	0.0451	0.21%
QC value within limits for Sodium,7440-23-5 Recovery = 104.99%						
Strontium,7440-24-6	172643.3	0.5082 mg/L	0.00036	0.5082 mg/L	0.00036	0.07%
QC value within limits for Strontium,7440-24-6 Recovery = 101.64%						
Thallium,7440-28-0	3434.9	0.4907 mg/L	0.00039	0.4907 mg/L	0.00039	0.08%
QC value within limits for Thallium,7440-28-0 Recovery = 98.15%						
Tin,7440-31-5	5319.1	0.4965 mg/L	0.00186	0.4965 mg/L	0.00186	0.37%
QC value within limits for Tin,7440-31-5 Recovery = 99.30%						
Titanium,7440-32-6	291616.7	0.4965 mg/L	0.00189	0.4965 mg/L	0.00189	0.38%
QC value within limits for Titanium,7440-32-6 Recovery = 99.29%						
Vanadium,7440-62-2	62084.1	0.4870 mg/L	0.00319	0.4870 mg/L	0.00319	0.66%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.40%						
Zinc,7440-66-6	99920.2	0.5017 mg/L	0.00299	0.5017 mg/L	0.00299	0.60%
QC value within limits for Zinc,7440-66-6 Recovery = 100.34%						
Zirconium,7440-67-7	238075.7	0.4881 mg/L	0.00534	0.4881 mg/L	0.00534	1.09%
QC value within limits for Zirconium,7440-67-7 Recovery = 97.62%						

All analyte(s) passed QC.

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Sequence No.: 51 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/8/2006 5:04:22 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:18:26 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	82253.8	94.338	%	0.1479				0.16%
Ar 420.067 R	982295.3	99.080	%	0.0500				0.05%
Scandium-IS	3185263.7	98.441	%	1.0113				1.03%
Yttrium,7440-65-5A	1655441.9	98.533	%	0.9609				0.98%
Yttrium,7440-65-5R	47577.9	99.518	%	0.9873				0.99%
Aluminum,7429-90-5	2.2	0.009	mg/L	0.0059	0.009	mg/L	0.0059	62.19%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0	-8.2	-0.0013	mg/L	0.00222	-0.0013	mg/L	0.00222	176.29%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2	-9.4	-0.0025	mg/L	0.00112	-0.0025	mg/L	0.00112	44.06%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3	15.7	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	51.41%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7	162.7	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	44.01%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8	1958.1	0.0314	mg/L	0.00196	0.0314	mg/L	0.00196	6.26%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9	11.5	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	85.81%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2	3.8	0.006	mg/L	0.0063	0.006	mg/L	0.0063	105.50%

035556

QC value within limits for Calcium,7440-70-2 Recovery = Not calculated

Chromium,7440-47-3	-48.7	-0.0003 mg/L	0.00007	-0.0003 mg/L	0.00007	24.24%

QC value within limits for Chromium,7440-47-3 Recovery = Not calculated

Cobalt,7440-48-4	7.4	0.0001 mg/L	0.00008	0.0001 mg/L	0.00008	67.55%

QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated

Copper,7440-50-8	369.7	0.0009 mg/L	0.00011	0.0009 mg/L	0.00011	11.39%

QC value within limits for Copper,7440-50-8 Recovery = Not calculated

Iron,7439-89-6	12.7	0.0235 mg/L	0.00463	0.0235 mg/L	0.00463	19.68%

QC value within limits for Iron,7439-89-6 Recovery = Not calculated

Lead,7439-92-1	-12.8	-0.0010 mg/L	0.00091	-0.0010 mg/L	0.00091	89.90%

QC value within limits for Lead,7439-92-1 Recovery = Not calculated

Lithium,7439-93-2	155.0	0.0031 mg/L	0.00102	0.0031 mg/L	0.00102	32.53%

QC value within limits for Lithium,7439-93-2 Recovery = Not calculated

Magnesium,7439-95-4	-4.9	-0.0477 mg/L	0.05385	-0.0477 mg/L	0.05385	112.83%

QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated

Manganese, 7439-96-5	841.0	0.001 mg/L	0.0000	0.001 mg/L	0.0000	0.14%

QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated

Molybdenum,7439-98-7	32.5	0.0010 mg/L	0.00030	0.0010 mg/L	0.00030	30.22%

QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated

Nickel,7440-02-0	26.1	0.0004 mg/L	0.00016	0.0004 mg/L	0.00016	38.66%

QC value within limits for Nickel,7440-02-0 Recovery = Not calculated

Potassium,7440-09-7	205.1	0.1143 mg/L	0.01285	0.1143 mg/L	0.01285	11.25%

QC value within limits for Potassium,7440-09-7 Recovery = Not calculated

Selenium,7782-49-2	3.4	0.0018 mg/L	0.00292	0.0018 mg/L	0.00292	162.53%

QC value within limits for Selenium,7782-49-2 Recovery = Not calculated

Silicon,7440-21-3	3.0	0.0104 mg/L	0.00150	0.0104 mg/L	0.00150	14.46%

QC value within limits for Silicon,7440-21-3 Recovery = Not calculated

Silver,7440-22-4	5.7	0.0000 mg/L	0.00032	0.0000 mg/L	0.00032	>999.9%

QC value within limits for Silver,7440-22-4 Recovery = Not calculated

Sodium,7440-23-5	706.0	0.1441 mg/L	0.01892	0.1441 mg/L	0.01892	13.12%

QC value within limits for Sodium,7440-23-5 Recovery = Not calculated

Strontium,7440-24-6	50.2	0.0001 mg/L	0.00010	0.0001 mg/L	0.00010	70.20%

QC value within limits for Strontium,7440-24-6 Recovery = Not calculated

Thallium,7440-28-0	18.5	0.0026 mg/L	0.00204	0.0026 mg/L	0.00204	77.39%

QC value within limits for Thallium,7440-28-0 Recovery = Not calculated

Tin,7440-31-5	-7.9	-0.0007 mg/L	0.00094	-0.0007 mg/L	0.00094	126.84%

QC value within limits for Tin,7440-31-5 Recovery = Not calculated

Titanium,7440-32-6	363.5	0.0006 mg/L	0.00014	0.0006 mg/L	0.00014	22.95%

QC value within limits for Titanium,7440-32-6 Recovery = Not calculated

Vanadium,7440-62-2	-290.5	-0.0023 mg/L	0.00004	-0.0023 mg/L	0.00004	1.96%

QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated

Zinc,7440-66-6	636.2	0.0032 mg/L	0.00021	0.0032 mg/L	0.00021	6.44%

QC value within limits for Zinc,7440-66-6 Recovery = Not calculated

Zirconium,7440-67-7	126.2	0.0003 mg/L	0.00020	0.0003 mg/L	0.00020	76.36%

QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated

All analyte(s) passed QC.

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Sequence No.: 52 **Autosampler Location: 47**
Sample ID: 20612072817 **Date Collected: 12/8/2006 5:10:55 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:18:29 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 20612072817

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	77888.2	89.331	%	0.0414				0.05%
Ar 420.067 R	959221.1	96.753	%	0.1661				0.17%
Scandium-IS	3232412.2	99.899	%	0.1673				0.17%
Yttrium,7440-65-5A	1821325.1	108.41	%	0.137				0.13%
Yttrium,7440-65-5R	53975.0	112.90	%	0.565				0.50%
Aluminum,7429-90-5	45935.3	197.3	mg/L	0.69	7831	mg/kg	27.3	0.35%
Antimony,7440-36-0	111.8	0.0155	mg/L	0.00093	0.6161	mg/kg	0.03682	5.98%
Arsenic,7440-38-2	-283.6	-0.0167	mg/L	0.00062	-0.6645	mg/kg	0.02449	3.69%
Barium,7440-39-3	308380.4	1.4484	mg/L	0.00921	57.474	mg/kg	0.3656	0.64%
Beryllium,7440-41-7	66799.6	0.0157	mg/L	0.00011	0.6224	mg/kg	0.00433	0.70%
Boron,7440-42-8	14947.1	0.3640	mg/L	0.00150	14.443	mg/kg	0.0597	0.41%
Cadmium,7440-43-9	2796.9	0.0029	mg/L	0.00006	0.1149	mg/kg	0.00256	2.23%

035557

Calcium,7440-70-2	29917.0	46.38	mg/L	0.092	1840	mg/kg	3.7	0.20%
Chromium,7440-47-3	42504.7	0.2254	mg/L	0.00082	8.9460	mg/kg	0.03247	0.36%
Cobalt,7440-48-4	6147.0	0.0905	mg/L	0.00047	3.5894	mg/kg	0.01860	0.52%
Copper,7440-50-8	98032.5	0.1781	mg/L	0.00223	7.0689	mg/kg	0.08835	1.25%
Iron,7439-89-6	119236.8	220.61	mg/L	1.179	8754.5	mg/kg	46.77	0.53%
Lead,7439-92-1	3879.4	0.3313	mg/L	0.00219	13.149	mg/kg	0.0870	0.66%
Lithium,7439-93-2	13343.6	0.2713	mg/L	0.00132	10.767	mg/kg	0.0522	0.48%
Magnesium,7439-95-4	13161.7	127.23	mg/L	0.233	5048.8	mg/kg	9.25	0.18%
Manganese, 7439-96-5	1217332.0	1.427	mg/L	0.0091	56.62	mg/kg	0.360	0.64%
Molybdenum,7439-98-7	199.6	0.0090	mg/L	0.00036	0.3564	mg/kg	0.01442	4.05%
Nickel,7440-02-0	17021.9	0.2698	mg/L	0.00061	10.707	mg/kg	0.0244	0.23%
Potassium,7440-09-7	140971.8	78.503	mg/L	0.1902	3115.2	mg/kg	7.55	0.24%
Selenium,7782-49-2	-292.0	-0.0032	mg/L	0.00325	-0.1261	mg/kg	0.12882	102.16%
Silicon,7440-21-3	1649.7	5.5576	mg/L	0.03290	220.54	mg/kg	1.306	0.59%
Silver,7440-22-4	-28188.0	-0.0037	mg/L	0.00109	-0.1458	mg/kg	0.04340	29.77%
Sodium,7440-23-5	689865.7	140.81	mg/L	0.223	5587.9	mg/kg	8.86	0.16%
Strontium,7440-24-6	308875.7	0.9081	mg/L	0.00422	36.035	mg/kg	0.1675	0.46%
Thallium,7440-28-0	-76.3	-0.0001	mg/L	0.00049	-0.0023	mg/kg	0.01959	863.10%
Tin,7440-31-5	64.6	0.0048	mg/L	0.00119	0.1902	mg/kg	0.04706	24.75%
Titanium,7440-32-6	163199.5	0.2773	mg/L	0.00222	11.005	mg/kg	0.0881	0.80%
Vanadium,7440-62-2	44749.1	0.3387	mg/L	0.00300	13.442	mg/kg	0.1192	0.89%
Zinc,7440-66-6	270742.4	1.3452	mg/L	0.00768	53.383	mg/kg	0.3047	0.57%
Zirconium,7440-67-7	55612.9	0.1143	mg/L	0.00107	4.5339	mg/kg	0.04234	0.93%

Sequence No.: 53
Sample ID: 20612072818
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 48
Date Collected: 12/8/2006 5:17:30 PM
Data Type: Reprocessed on 12/9/2006 9:18:30 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072818

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	72097.7	82.690	%	0.3398				0.41%
Ar 420.067 R	925102.3	93.311	%	0.1894				0.20%
Scandium-IS	3122935.8	96.515	%	0.2890				0.30%
Yttrium,7440-65-5A	1743065.0	103.75	%	0.287				0.28%
Yttrium,7440-65-5R	51131.7	106.95	%	0.286				0.27%
Aluminum,7429-90-5	59534.4	255.8	mg/L	0.40	10230	mg/kg	16.0	0.16%
Antimony,7440-36-0	184.7	0.0288	mg/L	0.00217	1.1533	mg/kg	0.08688	7.53%
Arsenic,7440-38-2	-74.5	0.0653	mg/L	0.00165	2.6110	mg/kg	0.06586	2.52%
Barium,7440-39-3	311502.0	1.4593	mg/L	0.00601	58.373	mg/kg	0.2402	0.41%
Beryllium,7440-41-7	66755.5	0.0156	mg/L	0.00004	0.6252	mg/kg	0.00152	0.24%
Boron,7440-42-8	13018.0	0.3886	mg/L	0.00121	15.542	mg/kg	0.0484	0.31%
Cadmium,7440-43-9	2778.1	-0.0014	mg/L	0.00020	-0.0557	mg/kg	0.00790	14.19%
Calcium,7440-70-2	167440.5	259.7	mg/L	0.88	10390	mg/kg	35.3	0.34%
Chromium,7440-47-3	43739.4	0.2170	mg/L	0.00159	8.6818	mg/kg	0.06367	0.73%
Cobalt,7440-48-4	9943.8	0.1478	mg/L	0.00064	5.9131	mg/kg	0.02554	0.43%
Copper,7440-50-8	92467.5	0.1186	mg/L	0.00064	4.7454	mg/kg	0.02571	0.54%
Iron,7439-89-6	171770.0	317.82	mg/L	0.617	12713	mg/kg	24.7	0.19%
Lead,7439-92-1	2588.1	0.2338	mg/L	0.00131	9.3522	mg/kg	0.05233	0.56%
Lithium,7439-93-2	19292.0	0.3928	mg/L	0.00111	15.711	mg/kg	0.0443	0.28%
Magnesium,7439-95-4	21415.9	206.99	mg/L	0.191	8279.6	mg/kg	7.63	0.09%
Manganese, 7439-96-5	7595125.8	8.902	mg/L	0.0305	356.1	mg/kg	1.22	0.34%
Molybdenum,7439-98-7	159.2	0.0090	mg/L	0.00154	0.3596	mg/kg	0.06142	17.08%
Nickel,7440-02-0	21277.6	0.3344	mg/L	0.00200	13.377	mg/kg	0.0801	0.60%
Potassium,7440-09-7	159639.2	88.890	mg/L	0.2178	3555.6	mg/kg	8.71	0.25%
Selenium,7782-49-2	-433.5	-0.0165	mg/L	0.00584	-0.6587	mg/kg	0.23376	35.49%
Silicon,7440-21-3	3455.3	11.650	mg/L	0.0295	466.01	mg/kg	1.182	0.25%
Silver,7440-22-4	-40436.0	-0.0082	mg/L	0.00042	-0.3260	mg/kg	0.01673	5.13%
Sodium,7440-23-5	1072112.9	218.83	mg/L	0.501	8753.3	mg/kg	20.05	0.23%
Strontium,7440-24-6	255314.0	0.7457	mg/L	0.00196	29.828	mg/kg	0.0784	0.26%
Thallium,7440-28-0	-191.2	-0.0048	mg/L	0.00324	-0.1938	mg/kg	0.12942	66.79%
Tin,7440-31-5	-43.4	0.0001	mg/L	0.00407	0.0053	mg/kg	0.16286	>999.9%
Titanium,7440-32-6	242125.3	0.4112	mg/L	0.00366	16.449	mg/kg	0.1465	0.89%
Vanadium,7440-62-2	61896.2	0.4677	mg/L	0.00179	18.707	mg/kg	0.0715	0.38%
Zinc,7440-66-6	145483.7	0.6984	mg/L	0.00309	27.938	mg/kg	0.1235	0.44%
Zirconium,7440-67-7	32215.8	0.0679	mg/L	0.00053	2.7156	mg/kg	0.02119	0.78%

035558

Sequence No.: 54
Sample ID: 20612072819
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g
Dilution: 1X

Autosampler Location: 49
Date Collected: 12/8/2006 5:22:40 PM
Data Type: Reprocessed on 12/9/2006 9:18:33 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072819

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	76432.4	87.661	%	0.1744				0.20%
Ar 420.067 R	951787.8	96.003	%	0.1214				0.13%
Scandium-IS	3177742.1	98.209	%	0.5904				0.60%
Yttrium,7440-65-5A	1765642.8	105.09	%	0.591				0.56%
Yttrium,7440-65-5R	51492.4	107.71	%	0.111				0.10%
Aluminum,7429-90-5	42954.0	184.5	mg/L	0.37	7381	mg/kg	14.9	0.20%
Antimony,7440-36-0	129.2	0.0199	mg/L	0.00120	0.7950	mg/kg	0.04781	6.01%
Arsenic,7440-38-2	-144.6	0.0203	mg/L	0.00244	0.8113	mg/kg	0.09761	12.03%
Barium,7440-39-3	291183.0	1.3665	mg/L	0.00499	54.662	mg/kg	0.1995	0.36%
Beryllium,7440-41-7	55215.0	0.0130	mg/L	0.00004	0.5183	mg/kg	0.00141	0.27%
Boron,7440-42-8	14419.9	0.3642	mg/L	0.00364	14.566	mg/kg	0.1455	1.00%
Cadmium,7440-43-9	2125.3	-0.0006	mg/L	0.00005	-0.0253	mg/kg	0.00187	7.40%
Calcium,7440-70-2	52301.5	81.10	mg/L	0.217	3244	mg/kg	8.7	0.27%
Chromium,7440-47-3	35595.5	0.1814	mg/L	0.00142	7.2576	mg/kg	0.05692	0.78%
Cobalt,7440-48-4	7473.4	0.1113	mg/L	0.00038	4.4505	mg/kg	0.01517	0.34%
Copper,7440-50-8	75491.1	0.1102	mg/L	0.00081	4.4086	mg/kg	0.03220	0.73%
Iron,7439-89-6	127341.0	235.61	mg/L	0.913	9424.5	mg/kg	36.51	0.39%
Lead,7439-92-1	2320.4	0.2034	mg/L	0.00173	8.1369	mg/kg	0.06921	0.85%
Lithium,7439-93-2	14341.8	0.2918	mg/L	0.00066	11.673	mg/kg	0.0264	0.23%
Magnesium,7439-95-4	17096.2	165.23	mg/L	0.275	6609.4	mg/kg	11.01	0.17%
Manganese, 7439-96-5	3629999.0	4.254	mg/L	0.0126	170.2	mg/kg	0.50	0.30%
Molybdenum,7439-98-7	56.1	0.0049	mg/L	0.00086	0.1944	mg/kg	0.03437	17.68%
Nickel,7440-02-0	16412.7	0.2587	mg/L	0.00098	10.347	mg/kg	0.0391	0.38%
Potassium,7440-09-7	127290.0	70.876	mg/L	0.3581	2835.1	mg/kg	14.32	0.51%
Selenium,7782-49-2	-323.9	-0.0142	mg/L	0.00026	-0.5682	mg/kg	0.01024	1.80%
Silicon,7440-21-3	2443.9	8.2336	mg/L	0.08144	329.34	mg/kg	3.258	0.99%
Silver,7440-22-4	-29998.0	-0.0054	mg/L	0.00064	-0.2154	mg/kg	0.02561	11.89%
Sodium,7440-23-5	792880.6	161.84	mg/L	0.746	6473.7	mg/kg	29.84	0.46%
Strontium,7440-24-6	181028.7	0.5308	mg/L	0.00344	21.233	mg/kg	0.1378	0.65%
Thallium,7440-28-0	-113.0	-0.0017	mg/L	0.00199	-0.0696	mg/kg	0.07975	114.64%
Tin,7440-31-5	9.9	0.0012	mg/L	0.00074	0.0478	mg/kg	0.02958	61.86%
Titanium,7440-32-6	224568.2	0.3817	mg/L	0.00075	15.268	mg/kg	0.0302	0.20%
Vanadium,7440-62-2	38396.7	0.2889	mg/L	0.00080	11.558	mg/kg	0.0322	0.28%
Zinc,7440-66-6	131432.2	0.6375	mg/L	0.00323	25.498	mg/kg	0.1294	0.51%
Zirconium,7440-67-7	28168.4	0.0579	mg/L	0.00033	2.3164	mg/kg	0.01313	0.57%

Sequence No.: 55
Sample ID: 20612072820
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt: 1.26 g
Dilution: 1X

Autosampler Location: 50
Date Collected: 12/8/2006 5:28:27 PM
Data Type: Reprocessed on 12/9/2006 9:18:34 AM

Initial Sample Vol:
Sample Prep Vol: 50 mL

Mean Data: 20612072820

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	72707.2	83.389	%	0.1589				0.19%
Ar 420.067 R	938384.6	94.651	%	0.0626				0.07%
Scandium-IS	3123099.6	96.520	%	0.2869				0.30%
Yttrium,7440-65-5A	1678390.7	99.899	%	0.2612				0.26%
Yttrium,7440-65-5R	49132.3	102.77	%	0.477				0.46%
Aluminum,7429-90-5	22635.7	97.25	mg/L	0.486	3859	mg/kg	19.3	0.50%
Antimony,7440-36-0	146.4	0.0262	mg/L	0.00049	1.0400	mg/kg	0.01935	1.86%
Arsenic,7440-38-2	-87.9	0.0187	mg/L	0.00208	0.7422	mg/kg	0.08259	11.13%
Barium,7440-39-3	1116536.4	5.2620	mg/L	0.01585	208.81	mg/kg	0.629	0.30%
Beryllium,7440-41-7	28866.5	0.0069	mg/L	0.00004	0.2727	mg/kg	0.00151	0.55%

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Boron,7440-42-8	2693.0	0.1806 mg/L	0.00080	7.1674 mg/kg	0.03189	0.44%
Cadmium,7440-43-9	2558.2	-0.0009 mg/L	0.00006	-0.0347 mg/kg	0.00257	7.41%
Calcium,7440-70-2	202254.8	313.7 mg/L	0.48	12450 mg/kg	19.2	0.15%
Chromium,7440-47-3	41822.8	0.2361 mg/L	0.00102	9.3708 mg/kg	0.04035	0.43%
Cobalt,7440-48-4	4611.2	0.0656 mg/L	0.00014	2.6035 mg/kg	0.00563	0.22%
Copper,7440-50-8	166504.4	0.3416 mg/L	0.00090	13.555 mg/kg	0.0357	0.26%
Iron,7439-89-6	130413.3	241.30 mg/L	0.726	9575.5 mg/kg	28.80	0.30%
Lead,7439-92-1	39855.8	3.1577 mg/L	0.00459	125.30 mg/kg	0.182	0.15%
Lithium,7439-93-2	7341.0	0.1502 mg/L	0.00132	5.9600 mg/kg	0.05256	0.88%
Magnesium,7439-95-4	8449.0	81.721 mg/L	0.2655	3242.9 mg/kg	10.53	0.32%
Manganese, 7439-96-5	3322075.1	3.893 mg/L	0.0102	154.5 mg/kg	0.41	0.26%
Molybdenum,7439-98-7	645.7	0.0214 mg/L	0.00045	0.8503 mg/kg	0.01779	2.09%
Nickel,7440-02-0	11790.0	0.1826 mg/L	0.00026	7.2452 mg/kg	0.01022	0.14%
Potassium,7440-09-7	56445.5	31.406 mg/L	0.0569	1246.3 mg/kg	2.26	0.18%
Selenium,7782-49-2	-338.1	-0.0155 mg/L	0.00543	-0.6150 mg/kg	0.21543	35.03%
Silicon,7440-21-3	3031.2	10.269 mg/L	0.0777	407.48 mg/kg	3.085	0.76%
Silver,7440-22-4	-29499.1	-0.0045 mg/L	0.00070	-0.1769 mg/kg	0.02783	15.73%
Sodium,7440-23-5	254821.3	51.998 mg/L	0.1211	2063.4 mg/kg	4.80	0.23%
Strontium,7440-24-6	291069.9	0.8502 mg/L	0.00129	33.738 mg/kg	0.0510	0.15%
Thallium,7440-28-0	-96.6	0.0000 mg/L	0.00154	-0.0012 mg/kg	0.06101	>999.9%
Tin,7440-31-5	26.8	0.0094 mg/L	0.00170	0.3718 mg/kg	0.06742	18.13%
Titanium,7440-32-6	203526.8	0.3459 mg/L	0.00696	13.725 mg/kg	0.2762	2.01%
Vanadium,7440-62-2	30891.1	0.2258 mg/L	0.00126	8.9619 mg/kg	0.04994	0.56%
Zinc,7440-66-6	1068442.3	5.3831 mg/L	0.01406	213.61 mg/kg	0.558	0.26%
Zirconium,7440-67-7	43572.1	0.0925 mg/L	0.00030	3.6718 mg/kg	0.01200	0.33%

Sequence No.: 56
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 51
Date Collected: 12/8/2006 5:34:12 PM
Data Type: Reprocessed on 12/9/2006 9:18:36 AM

Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Calib Std.Dev.	Sample Conc.	Sample Units	Sample Std.Dev.	RSD
Ar 363.268 A	81811.7	93.831	%	0.0408				0.04%
Ar 420.067 R	978915.0	98.739	%	0.2216				0.22%
Scandium-IS	3144883.8	97.193	%	0.1773				0.18%
Yttrium,7440-65-5A	1640471.2	97.642	%	0.2260				0.23%
Yttrium,7440-65-5R	47165.5	98.656	%	0.7160				0.73%
Aluminum,7429-90-5	-0.4	-0.002	mg/L	0.0096	-0.002	mg/L	0.0096	545.25%
Antimony,7440-36-0	-14.6	-0.0022	mg/L	0.00099	-0.0022	mg/L	0.00099	44.22%
Arsenic,7440-38-2	-5.3	-0.0015	mg/L	0.00142	-0.0015	mg/L	0.00142	97.62%
Barium,7440-39-3	29.1	0.0001	mg/L	0.00009	0.0001	mg/L	0.00009	67.94%
Beryllium,7440-41-7	169.1	0.0000	mg/L	0.00000	0.0000	mg/L	0.00000	8.65%
Boron,7440-42-8	248.5	0.0040	mg/L	0.00065	0.0040	mg/L	0.00065	16.34%
Cadmium,7440-43-9	-6.0	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	131.94%
Calcium,7440-70-2	5.0	0.008	mg/L	0.0017	0.008	mg/L	0.0017	21.39%
Chromium,7440-47-3	-43.2	-0.0003	mg/L	0.00016	-0.0003	mg/L	0.00016	59.93%
Cobalt,7440-48-4	9.1	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	117.27%
Copper,7440-50-8	75.4	0.0002	mg/L	0.00030	0.0002	mg/L	0.00030	169.06%
Iron,7439-89-6	25.5	0.0472	mg/L	0.01124	0.0472	mg/L	0.01124	23.78%
Lead,7439-92-1	12.1	0.0010	mg/L	0.00091	0.0010	mg/L	0.00091	95.40%
Lithium,7439-93-2	210.2	0.0042	mg/L	0.00156	0.0042	mg/L	0.00156	36.64%
Magnesium,7439-95-4	-2.8	-0.0267	mg/L	0.00604	-0.0267	mg/L	0.00604	22.68%
Manganese, 7439-96-5	1081.7	0.001	mg/L	0.0000	0.001	mg/L	0.0000	1.33%
Molybdenum,7439-98-7	1.2	0.0000	mg/L	0.00028	0.0000	mg/L	0.00028	779.69%
Nickel,7440-02-0	19.9	0.0003	mg/L	0.00019	0.0003	mg/L	0.00019	58.62%
Potassium,7440-09-7	358.3	0.1997	mg/L	0.01175	0.1997	mg/L	0.01175	5.89%
Selenium,7782-49-2	5.6	0.0029	mg/L	0.00109	0.0029	mg/L	0.00109	37.03%
Silicon,7440-21-3	5.0	0.0169	mg/L	0.00444	0.0169	mg/L	0.00444	26.22%
Silver,7440-22-4	-51.2	-0.0002	mg/L	0.00017	-0.0002	mg/L	0.00017	94.66%
Sodium,7440-23-5	1366.8	0.2790	mg/L	0.04588	0.2790	mg/L	0.04588	16.44%
Strontium,7440-24-6	45.7	0.0001	mg/L	0.00004	0.0001	mg/L	0.00004	31.26%
Thallium,7440-28-0	11.4	0.0016	mg/L	0.00100	0.0016	mg/L	0.00100	61.54%
Tin,7440-31-5	-31.1	-0.0029	mg/L	0.00070	-0.0029	mg/L	0.00070	24.20%
Titanium,7440-32-6	299.8	0.0005	mg/L	0.00009	0.0005	mg/L	0.00009	17.84%
Vanadium,7440-62-2	-358.6	-0.0028	mg/L	0.00022	-0.0028	mg/L	0.00022	7.96%

Zinc,7440-66-6	2372.1	0.0120	mg/L	0.00158	0.0120	mg/L	0.00158 13.14%
Zirconium,7440-67-7	-348.7	-0.0007	mg/L	0.00001	-0.0007	mg/L	0.00001 2.05%

Sequence No.: 57
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 52
Date Collected: 12/8/2006 5:40:48 PM
Data Type: Reprocessed on 12/9/2006 9:18:39 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	81613.7	93.604	%	0.2129				0.23%
Ar 420.067 R	978363.5	98.684	%	0.1193				0.12%
Scandium-IS	3139415.2	97.024	%	1.8981				1.96%
Yttrium,7440-65-5A	1631633.9	97.116	%	1.9143				1.97%
Yttrium,7440-65-5R	47223.2	98.776	%	1.2626				1.28%
Aluminum,7429-90-5	-3.5	-0.015	mg/L	0.0185	-0.015	mg/L	0.0185	122.39%
Antimony,7440-36-0	-9.2	-0.0014	mg/L	0.00211	-0.0014	mg/L	0.00211	150.06%
Arsenic,7440-38-2	-12.0	-0.0033	mg/L	0.00059	-0.0033	mg/L	0.00059	18.08%
Barium,7440-39-3	2.6	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	340.77%
Beryllium,7440-41-7	127.6	0.0000	mg/L	0.00002	0.0000	mg/L	0.00002	64.16%
Boron,7440-42-8	77.8	0.0013	mg/L	0.00017	0.0013	mg/L	0.00017	13.63%
Cadmium,7440-43-9	3.2	0.0000	mg/L	0.00001	0.0000	mg/L	0.00001	63.64%
Calcium,7440-70-2	-1.5	-0.002	mg/L	0.0056	-0.002	mg/L	0.0056	233.59%
Chromium,7440-47-3	-54.4	-0.0003	mg/L	0.00021	-0.0003	mg/L	0.00021	62.27%
Cobalt,7440-48-4	16.0	0.0003	mg/L	0.00016	0.0003	mg/L	0.00016	63.55%
Copper,7440-50-8	-36.2	-0.0001	mg/L	0.00017	-0.0001	mg/L	0.00017	174.55%
Iron,7439-89-6	10.2	0.0188	mg/L	0.00208	0.0188	mg/L	0.00208	11.02%
Lead,7439-92-1	4.3	0.0003	mg/L	0.00091	0.0003	mg/L	0.00091	266.71%
Lithium,7439-93-2	158.4	0.0032	mg/L	0.00061	0.0032	mg/L	0.00061	19.04%
Magnesium,7439-95-4	-6.2	-0.0597	mg/L	0.04158	-0.0597	mg/L	0.04158	69.63%
Manganese, 7439-96-5	935.5	0.001	mg/L	0.0000	0.001	mg/L	0.0000	2.92%
Molybdenum,7439-98-7	11.2	0.0003	mg/L	0.00033	0.0003	mg/L	0.00033	99.10%
Nickel,7440-02-0	40.3	0.0007	mg/L	0.00005	0.0007	mg/L	0.00005	7.39%
Potassium,7440-09-7	207.1	0.1154	mg/L	0.00668	0.1154	mg/L	0.00668	5.79%
Selenium,7782-49-2	1.4	0.0008	mg/L	0.00161	0.0008	mg/L	0.00161	214.36%
Silicon,7440-21-3	2.6	0.0088	mg/L	0.00946	0.0088	mg/L	0.00946	107.44%
Silver,7440-22-4	36.8	0.0001	mg/L	0.00026	0.0001	mg/L	0.00026	296.08%
Sodium,7440-23-5	491.2	0.1003	mg/L	0.01664	0.1003	mg/L	0.01664	16.59%
Strontium,7440-24-6	37.4	0.0001	mg/L	0.00003	0.0001	mg/L	0.00003	30.33%
Thallium,7440-28-0	-0.4	-0.0001	mg/L	0.00137	-0.0001	mg/L	0.00137	>999.9%
Tin,7440-31-5	-41.4	-0.0039	mg/L	0.00045	-0.0039	mg/L	0.00045	11.54%
Titanium,7440-32-6	249.5	0.0004	mg/L	0.00010	0.0004	mg/L	0.00010	24.31%
Vanadium,7440-62-2	-336.6	-0.0026	mg/L	0.00029	-0.0026	mg/L	0.00029	11.04%
Zinc,7440-66-6	857.2	0.0043	mg/L	0.00035	0.0043	mg/L	0.00035	8.00%
Zirconium,7440-67-7	-444.4	-0.0009	mg/L	0.00012	-0.0009	mg/L	0.00012	12.99%

Sequence No.: 58
Sample ID: ---
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution: 1X

Autosampler Location: 53
Date Collected: 12/8/2006 5:47:24 PM
Data Type: Reprocessed on 12/9/2006 9:18:40 AM
Initial Sample Vol:
Sample Prep Vol:

Mean Data: ---

Analyte	Mean Corrected Intensity	Calib Conc.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	81351.7	93.303	%	0.1929				0.21%
Ar 420.067 R	974747.9	98.319	%	0.2127				0.22%
Scandium-IS	3165022.0	97.816	%	0.2254				0.23%
Yttrium,7440-65-5A	1642321.0	97.752	%	0.1697				0.17%
Yttrium,7440-65-5R	47076.0	98.468	%	0.2319				0.24%
Aluminum,7429-90-5	1.6	0.013	mg/L	0.0210	0.013	mg/L	0.0210	163.37%
Antimony,7440-36-0	5968.6	0.9011	mg/L	0.00657	0.9011	mg/L	0.00657	0.73%
Arsenic,7440-38-2	3324.3	0.9058	mg/L	0.00682	0.9058	mg/L	0.00682	0.75%

Barium,7440-39-3	208.6	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	101.94%
Beryllium,7440-41-7	4146723.3	0.9511 mg/L	0.00174	0.9511 mg/L	0.00174	0.18%
Boron,7440-42-8	24.3	0.0011 mg/L	0.00014	0.0011 mg/L	0.00014	12.85%
Cadmium,7440-43-9	261279.4	0.9349 mg/L	0.00825	0.9349 mg/L	0.00825	0.88%
Calcium,7440-70-2	623.9	0.965 mg/L	0.0073	0.965 mg/L	0.0073	0.76%
Chromium,7440-47-3	156983.0	0.9510 mg/L	0.00671	0.9510 mg/L	0.00671	0.71%
Cobalt,7440-48-4	59663.6	0.9539 mg/L	0.00725	0.9539 mg/L	0.00725	0.76%
Copper,7440-50-8	364032.2	0.9234 mg/L	0.00658	0.9234 mg/L	0.00658	0.71%
Iron,7439-89-6	530.2	0.9795 mg/L	0.00991	0.9795 mg/L	0.00991	1.01%
Lead,7439-92-1	12242.0	0.9668 mg/L	0.00594	0.9668 mg/L	0.00594	0.61%
Lithium,7439-93-2	49221.0	0.9948 mg/L	0.00673	0.9948 mg/L	0.00673	0.68%
Magnesium,7439-95-4	91.6	0.8844 mg/L	0.08431	0.8844 mg/L	0.08431	9.53%
Manganese, 7439-96-5	816663.3	0.956 mg/L	0.0060	0.956 mg/L	0.0060	0.63%
Molybdenum,7439-98-7	31565.0	0.9527 mg/L	0.00943	0.9527 mg/L	0.00943	0.99%
Nickel,7440-02-0	59605.0	0.9724 mg/L	0.00858	0.9724 mg/L	0.00858	0.88%
Potassium,7440-09-7	134.5	0.0734 mg/L	0.03624	0.0734 mg/L	0.03624	49.35%
Selenium,7782-49-2	1893.3	0.9780 mg/L	0.00652	0.9780 mg/L	0.00652	0.67%
Silicon,7440-21-3	8.3	0.0267 mg/L	0.00289	0.0267 mg/L	0.00289	10.85%
Silver,7440-22-4	-4118.5	-0.0007 mg/L	0.00015	-0.0007 mg/L	0.00015	21.62%
Sodium,7440-23-5	288.8	0.0564 mg/L	0.01073	0.0564 mg/L	0.01073	19.02%
Strontium,7440-24-6	327226.8	0.9635 mg/L	0.00878	0.9635 mg/L	0.00878	0.91%
Thallium,7440-28-0	6794.6	0.9703 mg/L	0.00588	0.9703 mg/L	0.00588	0.61%
Tin,7440-31-5	-39.1	-0.0035 mg/L	0.00079	-0.0035 mg/L	0.00079	22.70%
Titanium,7440-32-6	567317.4	0.9659 mg/L	0.00100	0.9659 mg/L	0.00100	0.10%
Vanadium,7440-62-2	119825.7	0.9403 mg/L	0.00340	0.9403 mg/L	0.00340	0.36%
Zinc,7440-66-6	182364.2	0.9162 mg/L	0.00817	0.9162 mg/L	0.00817	0.89%
Zirconium,7440-67-7	3770.8	0.0066 mg/L	0.00112	0.0066 mg/L	0.00112	17.13%

Sequence No.: 59 **Autosampler Location: 54**
Sample ID: --- **Date Collected: 12/8/2006 5:54:19 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:18:42 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	81493.6	93.466	%	0.0395				0.04%
Ar 420.067 R	972540.3	98.096	%	0.1608				0.16%
Scandium-IS	3213052.4	99.300	%	0.4294				0.43%
Yttrium,7440-65-5A	1667066.1	99.225	%	0.4746				0.48%
Yttrium,7440-65-5R	47874.3	100.14	%	1.652				1.65%
Aluminum,7429-90-5	0.5	0.008	mg/L	0.0108	0.008	mg/L	0.0108	133.83%
Antimony,7440-36-0	5623.9	0.8484	mg/L	0.00471	0.8484	mg/L	0.00471	0.56%
Arsenic,7440-38-2	2967.1	0.8111	mg/L	0.00215	0.8111	mg/L	0.00215	0.27%
Barium,7440-39-3	202.1	-0.0001	mg/L	0.00009	-0.0001	mg/L	0.00009	159.22%
Beryllium,7440-41-7	4124639.0	0.9461	mg/L	0.00713	0.9461	mg/L	0.00713	0.75%
Boron,7440-42-8	32.6	0.0012	mg/L	0.00020	0.0012	mg/L	0.00020	16.33%
Cadmium,7440-43-9	263239.2	0.9419	mg/L	0.00659	0.9419	mg/L	0.00659	0.70%
Calcium,7440-70-2	626.3	0.968	mg/L	0.0056	0.968	mg/L	0.0056	0.58%
Chromium,7440-47-3	155881.6	0.9444	mg/L	0.00719	0.9444	mg/L	0.00719	0.76%
Cobalt,7440-48-4	59593.6	0.9527	mg/L	0.00681	0.9527	mg/L	0.00681	0.71%
Copper,7440-50-8	366232.5	0.9290	mg/L	0.00613	0.9290	mg/L	0.00613	0.66%
Iron,7439-89-6	532.0	0.9828	mg/L	0.00498	0.9828	mg/L	0.00498	0.51%
Lead,7439-92-1	12330.4	0.9737	mg/L	0.00229	0.9737	mg/L	0.00229	0.23%
Lithium,7439-93-2	49784.7	1.0062	mg/L	0.01356	1.0062	mg/L	0.01356	1.35%
Magnesium,7439-95-4	91.7	0.8852	mg/L	0.00997	0.8852	mg/L	0.00997	1.13%
Manganese, 7439-96-5	818485.7	0.959	mg/L	0.0061	0.959	mg/L	0.0061	0.63%
Molybdenum,7439-98-7	31800.9	0.9598	mg/L	0.00552	0.9598	mg/L	0.00552	0.57%
Nickel,7440-02-0	60004.4	0.9789	mg/L	0.00745	0.9789	mg/L	0.00745	0.76%
Potassium,7440-09-7	105.3	0.0572	mg/L	0.01615	0.0572	mg/L	0.01615	28.25%
Selenium,7782-49-2	1919.0	0.9913	mg/L	0.00972	0.9913	mg/L	0.00972	0.98%
Silicon,7440-21-3	12.5	0.0409	mg/L	0.00390	0.0409	mg/L	0.00390	9.53%
Silver,7440-22-4	-4189.1	-0.0009	mg/L	0.00025	-0.0009	mg/L	0.00025	28.59%
Sodium,7440-23-5	160.2	0.0302	mg/L	0.00436	0.0302	mg/L	0.00436	14.46%
Strontium,7440-24-6	327843.2	0.9653	mg/L	0.00920	0.9653	mg/L	0.00920	0.95%
Thallium,7440-28-0	6836.9	0.9763	mg/L	0.00508	0.9763	mg/L	0.00508	0.52%
Tin,7440-31-5	-39.2	-0.0035	mg/L	0.00054	-0.0035	mg/L	0.00054	15.58%

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Titanium,7440-32-6	570530.3	0.9713	mg/L	0.00666	0.9713	mg/L	0.00666 0.69%
Vanadium,7440-62-2	120085.2	0.9423	mg/L	0.00599	0.9423	mg/L	0.00599 0.64%
Zinc,7440-66-6	183964.0	0.9243	mg/L	0.00633	0.9243	mg/L	0.00633 0.69%
Zirconium,7440-67-7	711.6	0.0003	mg/L	0.00013	0.0003	mg/L	0.00013 47.51%

Sequence No.: 60 **Autosampler Location: 55**
Sample ID: --- **Date Collected: 12/8/2006 6:01:14 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:18:44 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
Ar 363.268 A	81616.2	93.606	%	0.1215				0.13%
Ar 420.067 R	979602.8	98.809	%	0.2399				0.24%
Scandium-IS	3193307.6	98.690	%	0.3754				0.38%
Yttrium,7440-65-5A	1658599.9	98.721	%	0.3561				0.36%
Yttrium,7440-65-5R	47696.2	99.766	%	0.6972				0.70%
Aluminum,7429-90-5	-2.7	-0.011	mg/L	0.0321	-0.011	mg/L	0.0321	279.54%
Antimony,7440-36-0	26.2	0.0040	mg/L	0.00136	0.0040	mg/L	0.00136	33.83%
Arsenic,7440-38-2	25.1	0.0066	mg/L	0.00289	0.0066	mg/L	0.00289	43.80%
Barium,7440-39-3	6.8	0.0000	mg/L	0.00007	0.0000	mg/L	0.00007	214.16%
Beryllium,7440-41-7	335.8	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	20.54%
Boron,7440-42-8	-73.7	-0.0012	mg/L	0.00026	-0.0012	mg/L	0.00026	22.40%
Cadmium,7440-43-9	-2.2	0.0000	mg/L	0.00003	0.0000	mg/L	0.00003	349.96%
Calcium,7440-70-2	2.7	0.004	mg/L	0.0014	0.004	mg/L	0.0014	33.30%
Chromium,7440-47-3	-60.1	-0.0004	mg/L	0.00008	-0.0004	mg/L	0.00008	20.56%
Cobalt,7440-48-4	14.5	0.0002	mg/L	0.00020	0.0002	mg/L	0.00020	87.16%
Copper,7440-50-8	731.9	0.0019	mg/L	0.00018	0.0019	mg/L	0.00018	9.53%
Iron,7439-89-6	7.1	0.0131	mg/L	0.00282	0.0131	mg/L	0.00282	21.42%
Lead,7439-92-1	15.4	0.0012	mg/L	0.00148	0.0012	mg/L	0.00148	122.19%
Lithium,7439-93-2	133.5	0.0027	mg/L	0.00121	0.0027	mg/L	0.00121	44.69%
Magnesium,7439-95-4	-2.4	-0.0234	mg/L	0.01676	-0.0234	mg/L	0.01676	71.64%
Manganese, 7439-96-5	848.0	0.001	mg/L	0.0000	0.001	mg/L	0.0000	1.13%
Molybdenum,7439-98-7	43.7	0.0013	mg/L	0.00038	0.0013	mg/L	0.00038	28.72%
Nickel,7440-02-0	36.3	0.0006	mg/L	0.00025	0.0006	mg/L	0.00025	42.37%
Potassium,7440-09-7	71.8	0.0400	mg/L	0.05859	0.0400	mg/L	0.05859	146.47%
Selenium,7782-49-2	3.7	0.0019	mg/L	0.00098	0.0019	mg/L	0.00098	51.52%
Silicon,7440-21-3	4.3	0.0147	mg/L	0.00215	0.0147	mg/L	0.00215	14.67%
Silver,7440-22-4	26.9	0.0001	mg/L	0.00017	0.0001	mg/L	0.00017	277.50%
Sodium,7440-23-5	69.5	0.0142	mg/L	0.01476	0.0142	mg/L	0.01476	104.05%
Strontium,7440-24-6	27.0	0.0001	mg/L	0.00007	0.0001	mg/L	0.00007	83.51%
Thallium,7440-28-0	11.4	0.0016	mg/L	0.00080	0.0016	mg/L	0.00080	49.37%
Tin,7440-31-5	-39.3	-0.0037	mg/L	0.00024	-0.0037	mg/L	0.00024	6.46%
Titanium,7440-32-6	440.4	0.0007	mg/L	0.00002	0.0007	mg/L	0.00002	2.43%
Vanadium,7440-62-2	-277.0	-0.0022	mg/L	0.00023	-0.0022	mg/L	0.00023	10.44%
Zinc,7440-66-6	430.3	0.0022	mg/L	0.00015	0.0022	mg/L	0.00015	6.97%
Zirconium,7440-67-7	-472.2	-0.0010	mg/L	0.00018	-0.0010	mg/L	0.00018	18.16%

Sequence No.: 61 **Autosampler Location: 56**
Sample ID: --- **Date Collected: 12/8/2006 6:07:50 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:18:46 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
Ar 363.268 A	81765.1	93.777	%	0.1426				0.15%
Ar 420.067 R	978351.4	98.682	%	0.1512				0.15%
Scandium-IS	3183180.6	98.377	%	1.7458				1.77%
Yttrium,7440-65-5A	1651180.5	98.279	%	1.8454				1.88%
Yttrium,7440-65-5R	47561.9	99.485	%	0.8834				0.89%
Aluminum,7429-90-5	-7.3	-0.031	mg/L	0.0082	-0.031	mg/L	0.0082	26.26%

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Antimony,7440-36-0	0.5	0.0001 mg/L	0.00058	0.0001 mg/L	0.00058	656.04%
Arsenic,7440-38-2	1.0	0.0002 mg/L	0.00078	0.0002 mg/L	0.00078	375.59%
Barium,7440-39-3	14.1	0.0001 mg/L	0.00007	0.0001 mg/L	0.00007	109.09%
Beryllium,7440-41-7	206.6	0.0000 mg/L	0.00001	0.0000 mg/L	0.00001	18.64%
Boron,7440-42-8	-109.2	-0.0017 mg/L	0.00068	-0.0017 mg/L	0.00068	39.29%
Cadmium,7440-43-9	-3.5	0.0000 mg/L	0.00003	0.0000 mg/L	0.00003	201.52%
Calcium,7440-70-2	1.7	0.003 mg/L	0.0025	0.003 mg/L	0.0025	91.55%
Chromium,7440-47-3	-76.0	-0.0005 mg/L	0.00011	-0.0005 mg/L	0.00011	23.71%
Cobalt,7440-48-4	10.5	0.0002 mg/L	0.00004	0.0002 mg/L	0.00004	23.28%
Copper,7440-50-8	172.3	0.0004 mg/L	0.00013	0.0004 mg/L	0.00013	29.27%
Iron,7439-89-6	7.6	0.0140 mg/L	0.00494	0.0140 mg/L	0.00494	35.31%
Lead,7439-92-1	-4.1	-0.0003 mg/L	0.00068	-0.0003 mg/L	0.00068	201.82%
Lithium,7439-93-2	79.1	0.0016 mg/L	0.00033	0.0016 mg/L	0.00033	20.63%
Magnesium,7439-95-4	-8.6	-0.0834 mg/L	0.02496	-0.0834 mg/L	0.02496	29.92%
Manganese, 7439-96-5	790.1	0.001 mg/L	0.0000	0.001 mg/L	0.0000	0.72%
Molybdenum,7439-98-7	14.3	0.0004 mg/L	0.00042	0.0004 mg/L	0.00042	98.06%
Nickel,7440-02-0	15.8	0.0003 mg/L	0.00020	0.0003 mg/L	0.00020	77.37%
Potassium,7440-09-7	73.4	0.0409 mg/L	0.01316	0.0409 mg/L	0.01316	32.19%
Selenium,7782-49-2	-2.3	-0.0012 mg/L	0.00443	-0.0012 mg/L	0.00443	378.16%
Silicon,7440-21-3	4.4	0.0150 mg/L	0.00613	0.0150 mg/L	0.00613	40.92%
Silver,7440-22-4	-8.3	-0.0001 mg/L	0.00034	-0.0001 mg/L	0.00034	606.89%
Sodium,7440-23-5	-25.6	-0.0052 mg/L	0.00348	-0.0052 mg/L	0.00348	66.62%
Strontium,7440-24-6	47.6	0.0001 mg/L	0.00010	0.0001 mg/L	0.00010	71.72%
Thallium,7440-28-0	-0.4	-0.0001 mg/L	0.00166	-0.0001 mg/L	0.00166	>999.9%
Tin,7440-31-5	-47.1	-0.0044 mg/L	0.00046	-0.0044 mg/L	0.00046	10.49%
Titanium,7440-32-6	237.8	0.0004 mg/L	0.00007	0.0004 mg/L	0.00007	16.79%
Vanadium,7440-62-2	-340.6	-0.0027 mg/L	0.00052	-0.0027 mg/L	0.00052	19.47%
Zinc,7440-66-6	219.0	0.0011 mg/L	0.00015	0.0011 mg/L	0.00015	13.38%
Zirconium,7440-67-7	-537.5	-0.0011 mg/L	0.00011	-0.0011 mg/L	0.00011	9.53%

Sequence No.: 62
Sample ID: 1800
Analyst:
Logged In Analyst (Original) : met
Initial Sample Wt:
Dilution:

Autosampler Location: 7
Date Collected: 12/8/2006 6:14:26 PM
Data Type: Reprocessed on 12/9/2006 9:18:49 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
Ar 363.268 A	80830.9	92.706	%	0.0914				0.10%
Ar 420.067 R	972047.2	98.047	%	0.0168				0.02%
Scandium-IS	3162602.0	97.741	%	0.0553				0.06%
Yttrium,7440-65-5A	1633208.9	97.210	%	0.1074				0.11%
Yttrium,7440-65-5R	46418.3	97.093	%	1.3673				1.41%
Aluminum,7429-90-5	1174.1	5.047	mg/L	0.0432	5.047	mg/L	0.0432	0.86%
QC value within limits for Aluminum,7429-90-5 Recovery = 100.94%								
Antimony,7440-36-0	3295.6	0.4979	mg/L	0.00149	0.4979	mg/L	0.00149	0.30%
QC value within limits for Antimony,7440-36-0 Recovery = 99.58%								
Arsenic,7440-38-2	1840.4	0.5018	mg/L	0.00284	0.5018	mg/L	0.00284	0.56%
QC value within limits for Arsenic,7440-38-2 Recovery = 100.36%								
Barium,7440-39-3	105666.4	0.4981	mg/L	0.00411	0.4981	mg/L	0.00411	0.82%
QC value within limits for Barium,7440-39-3 Recovery = 99.61%								
Beryllium,7440-41-7	2179437.5	0.4999	mg/L	0.00420	0.4999	mg/L	0.00420	0.84%
QC value within limits for Beryllium,7440-41-7 Recovery = 99.98%								
Boron,7440-42-8	153829.4	2.4652	mg/L	0.01788	2.4652	mg/L	0.01788	0.73%
QC value within limits for Boron,7440-42-8 Recovery = 98.61%								
Cadmium,7440-43-9	138971.2	0.4971	mg/L	0.00449	0.4971	mg/L	0.00449	0.90%
QC value within limits for Cadmium,7440-43-9 Recovery = 99.42%								
Calcium,7440-70-2	3243.6	5.029	mg/L	0.0258	5.029	mg/L	0.0258	0.51%
QC value within limits for Calcium,7440-70-2 Recovery = 100.59%								
Chromium,7440-47-3	82143.7	0.4967	mg/L	0.00455	0.4967	mg/L	0.00455	0.92%
QC value within limits for Chromium,7440-47-3 Recovery = 99.34%								
Cobalt,7440-48-4	31488.4	0.5033	mg/L	0.00048	0.5033	mg/L	0.00048	0.09%
QC value within limits for Cobalt,7440-48-4 Recovery = 100.65%								
Copper,7440-50-8	196777.7	0.4977	mg/L	0.00446	0.4977	mg/L	0.00446	0.90%
QC value within limits for Copper,7440-50-8 Recovery = 99.54%								
Iron,7439-89-6	2788.9	5.1592	mg/L	0.02443	5.1592	mg/L	0.02443	0.47%
QC value within limits for Iron,7439-89-6 Recovery = 103.18%								

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Lead,7439-92-1	6337.5	0.5012 mg/L	0.00171	0.5012 mg/L	0.00171	0.34%
QC value within limits for Lead,7439-92-1 Recovery = 100.23%						
Lithium,7439-93-2	25411.3	0.5136 mg/L	0.00232	0.5136 mg/L	0.00232	0.45%
QC value within limits for Lithium,7439-93-2 Recovery = 102.73%						
Magnesium,7439-95-4	521.9	5.0423 mg/L	0.07145	5.0423 mg/L	0.07145	1.42%
QC value within limits for Magnesium,7439-95-4 Recovery = 100.85%						
Manganese, 7439-96-5	428724.2	0.502 mg/L	0.0045	0.502 mg/L	0.0045	0.89%
QC value within limits for Manganese, 7439-96-5 Recovery = 100.42%						
Molybdenum,7439-98-7	16692.3	0.5039 mg/L	0.00067	0.5039 mg/L	0.00067	0.13%
QC value within limits for Molybdenum,7439-98-7 Recovery = 100.77%						
Nickel,7440-02-0	30942.4	0.5046 mg/L	0.00048	0.5046 mg/L	0.00048	0.10%
QC value within limits for Nickel,7440-02-0 Recovery = 100.93%						
Potassium,7440-09-7	18679.3	10.407 mg/L	0.0119	10.407 mg/L	0.0119	0.11%
QC value within limits for Potassium,7440-09-7 Recovery = 104.07%						
Selenium,7782-49-2	1006.7	0.5233 mg/L	0.00511	0.5233 mg/L	0.00511	0.98%
QC value within limits for Selenium,7782-49-2 Recovery = 104.65%						
Silicon,7440-21-3	156.9	0.5298 mg/L	0.01343	0.5298 mg/L	0.01343	2.53%
QC value within limits for Silicon,7440-21-3 Recovery = 105.96%						
Silver,7440-22-4	160295.9	0.5123 mg/L	0.00370	0.5123 mg/L	0.00370	0.72%
QC value within limits for Silver,7440-22-4 Recovery = 102.47%						
Sodium,7440-23-5	102698.9	20.965 mg/L	0.0564	20.965 mg/L	0.0564	0.27%
QC value within limits for Sodium,7440-23-5 Recovery = 104.82%						
Strontium,7440-24-6	172705.5	0.5084 mg/L	0.00130	0.5084 mg/L	0.00130	0.25%
QC value within limits for Strontium,7440-24-6 Recovery = 101.68%						
Thallium,7440-28-0	3486.8	0.4981 mg/L	0.00200	0.4981 mg/L	0.00200	0.40%
QC value within limits for Thallium,7440-28-0 Recovery = 99.63%						
Tin,7440-31-5	5342.4	0.4987 mg/L	0.00011	0.4987 mg/L	0.00011	0.02%
QC value within limits for Tin,7440-31-5 Recovery = 99.74%						
Titanium,7440-32-6	295512.5	0.5031 mg/L	0.00369	0.5031 mg/L	0.00369	0.73%
QC value within limits for Titanium,7440-32-6 Recovery = 100.62%						
Vanadium,7440-62-2	62106.4	0.4872 mg/L	0.00330	0.4872 mg/L	0.00330	0.68%
QC value within limits for Vanadium,7440-62-2 Recovery = 97.43%						
Zinc,7440-66-6	100073.9	0.5024 mg/L	0.00418	0.5024 mg/L	0.00418	0.83%
QC value within limits for Zinc,7440-66-6 Recovery = 100.49%						
Zirconium,7440-67-7	239395.4	0.4908 mg/L	0.00385	0.4908 mg/L	0.00385	0.78%
QC value within limits for Zirconium,7440-67-7 Recovery = 98.16%						

All analyte(s) passed QC.

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Sequence No.: 63 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/8/2006 6:21:09 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:18:51 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.	Calib Units	Std.Dev.	Sample Conc.	Sample Units	Std.Dev.	RSD
Ar 363.268 A	81473.1	93.442	%	0.2116				0.23%
Ar 420.067 R	976206.4	98.466	%	0.1801				0.18%
Scandium-IS	3179918.0	98.276	%	0.4647				0.47%
Yttrium,7440-65-5A	1650971.0	98.267	%	0.4369				0.44%
Yttrium,7440-65-5R	46760.6	97.809	%	0.4960				0.51%
Aluminum,7429-90-5	-0.7	-0.003	mg/L	0.0239	-0.003	mg/L	0.0239	798.03%
QC value within limits for Aluminum,7429-90-5 Recovery = Not calculated								
Antimony,7440-36-0	1.3	0.0002	mg/L	0.00117	0.0002	mg/L	0.00117	583.92%
QC value within limits for Antimony,7440-36-0 Recovery = Not calculated								
Arsenic,7440-38-2	2.3	0.0006	mg/L	0.00093	0.0006	mg/L	0.00093	169.19%
QC value within limits for Arsenic,7440-38-2 Recovery = Not calculated								
Barium,7440-39-3	6.7	0.0000	mg/L	0.00005	0.0000	mg/L	0.00005	147.77%
QC value within limits for Barium,7440-39-3 Recovery = Not calculated								
Beryllium,7440-41-7	256.1	0.0001	mg/L	0.00002	0.0001	mg/L	0.00002	28.18%
QC value within limits for Beryllium,7440-41-7 Recovery = Not calculated								
Boron,7440-42-8	1289.4	0.0206	mg/L	0.00188	0.0206	mg/L	0.00188	9.09%
QC value within limits for Boron,7440-42-8 Recovery = Not calculated								
Cadmium,7440-43-9	0.3	0.0000	mg/L	0.00006	0.0000	mg/L	0.00006	>999.9%
QC value within limits for Cadmium,7440-43-9 Recovery = Not calculated								
Calcium,7440-70-2	4.1	0.006	mg/L	0.0052	0.006	mg/L	0.0052	80.85%
QC value within limits for Calcium,7440-70-2 Recovery = Not calculated								

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Chromium,7440-47-3	-66.0	-0.0004 mg/L	0.00006	-0.0004 mg/L	0.00006	15.43%
QC value within limits for Chromium,7440-47-3 Recovery = Not calculated						
Cobalt,7440-48-4	14.9	0.0002 mg/L	0.00010	0.0002 mg/L	0.00010	41.20%
QC value within limits for Cobalt,7440-48-4 Recovery = Not calculated						
Copper,7440-50-8	-13.8	0.0000 mg/L	0.00012	0.0000 mg/L	0.00012	298.36%
QC value within limits for Copper,7440-50-8 Recovery = Not calculated						
Iron,7439-89-6	7.6	0.0141 mg/L	0.00277	0.0141 mg/L	0.00277	19.68%
QC value within limits for Iron,7439-89-6 Recovery = Not calculated						
Lead,7439-92-1	14.6	0.0012 mg/L	0.00048	0.0012 mg/L	0.00048	41.64%
QC value within limits for Lead,7439-92-1 Recovery = Not calculated						
Lithium,7439-93-2	116.9	0.0024 mg/L	0.00019	0.0024 mg/L	0.00019	7.96%
QC value within limits for Lithium,7439-93-2 Recovery = Not calculated						
Magnesium,7439-95-4	-3.2	-0.0308 mg/L	0.03725	-0.0308 mg/L	0.03725	120.77%
QC value within limits for Magnesium,7439-95-4 Recovery = Not calculated						
Manganese, 7439-96-5	846.6	0.001 mg/L	0.0000	0.001 mg/L	0.0000	1.50%
QC value within limits for Manganese, 7439-96-5 Recovery = Not calculated						
Molybdenum,7439-98-7	30.7	0.0009 mg/L	0.00054	0.0009 mg/L	0.00054	57.79%
QC value within limits for Molybdenum,7439-98-7 Recovery = Not calculated						
Nickel,7440-02-0	19.5	0.0003 mg/L	0.00031	0.0003 mg/L	0.00031	98.26%
QC value within limits for Nickel,7440-02-0 Recovery = Not calculated						
Potassium,7440-09-7	83.9	0.0467 mg/L	0.03121	0.0467 mg/L	0.03121	66.77%
QC value within limits for Potassium,7440-09-7 Recovery = Not calculated						
Selenium,7782-49-2	6.7	0.0035 mg/L	0.00242	0.0035 mg/L	0.00242	69.97%
QC value within limits for Selenium,7782-49-2 Recovery = Not calculated						
Silicon,7440-21-3	5.1	0.0172 mg/L	0.00856	0.0172 mg/L	0.00856	49.77%
QC value within limits for Silicon,7440-21-3 Recovery = Not calculated						
Silver,7440-22-4	67.5	0.0002 mg/L	0.00006	0.0002 mg/L	0.00006	33.64%
QC value within limits for Silver,7440-22-4 Recovery = Not calculated						
Sodium,7440-23-5	170.1	0.0347 mg/L	0.01170	0.0347 mg/L	0.01170	33.68%
QC value within limits for Sodium,7440-23-5 Recovery = Not calculated						
Strontium,7440-24-6	39.5	0.0001 mg/L	0.00003	0.0001 mg/L	0.00003	22.28%
QC value within limits for Strontium,7440-24-6 Recovery = Not calculated						
Thallium,7440-28-0	11.1	0.0016 mg/L	0.00032	0.0016 mg/L	0.00032	20.18%
QC value within limits for Thallium,7440-28-0 Recovery = Not calculated						
Tin,7440-31-5	-12.2	-0.0011 mg/L	0.00012	-0.0011 mg/L	0.00012	10.86%
QC value within limits for Tin,7440-31-5 Recovery = Not calculated						
Titanium,7440-32-6	309.6	0.0005 mg/L	0.00014	0.0005 mg/L	0.00014	26.98%
QC value within limits for Titanium,7440-32-6 Recovery = Not calculated						
Vanadium,7440-62-2	-334.5	-0.0026 mg/L	0.00014	-0.0026 mg/L	0.00014	5.37%
QC value within limits for Vanadium,7440-62-2 Recovery = Not calculated						
Zinc,7440-66-6	112.6	0.0006 mg/L	0.00010	0.0006 mg/L	0.00010	17.81%
QC value within limits for Zinc,7440-66-6 Recovery = Not calculated						
Zirconium,7440-67-7	63.5	0.0001 mg/L	0.00028	0.0001 mg/L	0.00028	214.22%
QC value within limits for Zirconium,7440-67-7 Recovery = Not calculated						

All analyte(s) passed QC.

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Sequence No.: 64 **Autosampler Location: 57**
Sample ID: 436789 **Date Collected: 12/8/2006 6:27:43 PM**
Analyst: **Data Type: Reprocessed on 12/9/2006 9:18:53 AM**
Logged In Analyst (Original) : met
Initial Sample Wt: 1.25 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 50 mL**

Mean Data: 436789

Analyte	Mean Corrected Intensity	Calib Conc.	Units	Std.Dev.	Sample Conc.	Units	Std.Dev.	RSD
Ar 363.268 A	82877.9	95.053	%	0.1269				0.13%
Ar 420.067 R	994207.2	100.28	%	0.045				0.04%
Scandium-IS	3249116.1	100.41	%	0.075				0.07%
Yttrium,7440-65-5A	1684016.0	100.23	%	0.110				0.11%
Yttrium,7440-65-5R	48734.2	101.94	%	0.803				0.79%
Aluminum,7429-90-5	-0.7	-0.003	mg/L	0.0308	-0.125	mg/kg	1.2327	989.37%
Antimony,7440-36-0	-9.0	-0.0014	mg/L	0.00043	-0.0559	mg/kg	0.01730	30.95%
Arsenic,7440-38-2	-12.0	-0.0032	mg/L	0.00199	-0.1295	mg/kg	0.07976	61.57%
Barium,7440-39-3	236.0	0.0011	mg/L	0.00004	0.0446	mg/kg	0.00154	3.46%
Beryllium,7440-41-7	95.3	0.0000	mg/L	0.00002	0.0009	mg/kg	0.00076	87.44%
Boron,7440-42-8	409.8	0.0066	mg/L	0.00065	0.2629	mg/kg	0.02582	9.82%
Cadmium,7440-43-9	31.3	0.0001	mg/L	0.00001	0.0044	mg/kg	0.00034	7.69%
Calcium,7440-70-2	24.6	0.038	mg/L	0.0055	1.528	mg/kg	0.2216	14.50%

035566

MERCURY

SnCl2 ID 161-30-14
NaCl2/(NH2OH)2 161-30-7
INSTRUMENT FIMS

ANALYST DJH
DATE 12/08/2006
TIME 11:23

$r^2 = 0.999821$

AS LOC	HSN / CLIENT	SAMPLE ID	DILUTION	MATRIX	RECOVERY
9	ICV-1600				103
1	ICB-1700				
5	CCV-1800				101
1	CCB-1900				
17	436546	MB for HBN 338390 S		Solid	
18	436547	LCS for HBN 338390 S		Solid	100
19	--- 4482 ---	20612072801		Solid	
20	"	20612072804 MS		Solid	96
21	"	20612072805 MSD		Solid	106
22	436779	20612072801 SD	5 X		
23	"	20612072802		Solid	
24	"	20612072803		Solid	
25	"	20612072806		Solid	
26	"	20612072807		Solid	
5	CCV-1800				106
1	CCB-1900				
27	"	20612072808		Solid	
28	"	20612072809		Solid	
29	"	20612072810		Solid	
30	"	20612072811		Solid	
31	"	20612072812		Solid	
32	"	20612072813		Solid	
33	436556	20612072814		Solid	
34	"	20612072815		Solid	
35	"	20612072816		Solid	
36	"	20612072817		Solid	
5	CCV-1800				109
1	CCB-1900				
37	"	20612072818		Solid	
38	"	20612072819		Solid	
39	"	20612072820		Solid	
40					
41					
42					
43					
44					
45					
46					
5	CCV-1800				110
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:
3168, 338434

Calibration ID: 20061208 S
HG STD ID: 163-42-2

ANALYST QC REV: DJH
SECONDARY REV: MAP

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035567

Reprocessing Begun
Logged In Analyst: met Technique: AA FIMS-MHS

Results Data Set (original): 2061208 S
Results Library (original): C:\data-AA\met\Results\Results.mdb
Results Data Set (reprocessed): 3168
Results Library (reprocessed): C:\data-AA\met\Results\Results.mdb

Method Loaded
Method Name: Mercury Method Last Saved: 12/8/2006 9:07:14 AM
Method Description: Mercury

Sequence No.: 1 Autosampler Location: 1
Sample ID: Calibration Blank Date Collected: 12/8/2006 11:22:24 AM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:28 PM
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]	0.011	0.011	0.002	11:23:12	Yes
2		[0.00]	0.012	0.012	0.002	11:23:41	Yes
Mean:		[0.00]	0.011				
SD:		0.00	0.0008				
%RSD:		0.00	6.87				

Auto-zero performed.

Sequence No.: 2 Autosampler Location: 2
Sample ID: STD 1 Date Collected: 12/8/2006 11:24:00 AM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:28 PM
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]	0.004	0.015	0.003	11:24:49	Yes
2		[0.2]	0.004	0.015	0.003	11:25:17	Yes
Mean:		[0.2]	0.004				
SD:		0.0	0.0002				
%RSD:		0.0	4.91				

Standard number 1 applied. [0.2]
Correlation Coef.: 1.000000 Slope: 0.02017 Intercept: 0.00000

Sequence No.: 3 Autosampler Location: 3
Sample ID: STD 2 Date Collected: 12/8/2006 11:25:36 AM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:29 PM
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]	0.014	0.025	0.005	11:26:26	Yes
2		[0.5]	-0.007	0.004	0.001	11:26:54	Yes
Mean:		[0.5]	0.003				
SD:		0.0	0.0149				
%RSD:		0.0	492.42				

Standard number 2 not applied. [0.5]
No calibration curve because standard absorbance and concentration values are not in the same order.

R/R DJH 12/8/06

035568

Sequence No.: 4 Autosampler Location: 4
Sample ID: STD 3 Date Collected: 12/8/2006 11:27:14 AM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:29 PM
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]	0.055	0.066	0.013	11:28:04	Yes
2		[2]	0.053	0.065	0.013	11:28:33	Yes
Mean:		[2]	0.054				
SD:		0	0.0009				
%RSD:		0	1.61				

Standard number 3 not applied. [2]
No calibration curve because standard absorbance and concentration values are not in the same order.

Sequence No.: 5 Autosampler Location: 5
Sample ID: STD 4 Date Collected: 12/8/2006 11:28:53 AM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:29 PM
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]	0.157	0.169	0.033	11:29:43	Yes
2		[5]	0.157	0.168	0.033	11:30:12	Yes
Mean:		[5]	0.157				
SD:		0	0.0003				
%RSD:		0	0.19				

Standard number 4 not applied. [5]
No calibration curve because standard absorbance and concentration values are not in the same order.

Sequence No.: 6 Autosampler Location: 6
Sample ID: STD 5 Date Collected: 12/8/2006 11:30:32 AM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:29 PM
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]	0.301	0.312	0.060	11:31:23	Yes
2		[10]	0.298	0.309	0.060	11:31:52	Yes
Mean:		[10]	0.300				
SD:		0	0.0024				
%RSD:		0	0.82				

Standard number 5 not applied. [10]
No calibration curve because standard absorbance and concentration values are not in the same order.

Sequence No.: 7 Autosampler Location: 3
Sample ID: STD 2 Date Collected: 12/8/2006 11:32:26 AM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:29 PM
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]	0.013	0.025	0.005	11:33:15	Yes
2		[0.5]	0.013	0.024	0.005	11:33:44	Yes
Mean:		[0.5]	0.013				

SD: 0.0 0.0006
%RSD: 0.0 4.46
Standard number 2 applied. [0.5]
Correlation Coef.: 0.999418 Slope: 0.03035 Intercept: -0.00161

Sequence No.: 8 **Autosampler Location: 5**
Sample ID: STD 4 **Date Collected: 12/8/2006 11:34:38 AM**
Analyst: **Data Type: Reprocessed on 12/8/2006 12:57:29 PM**
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]	0.163	0.174	0.034	11:35:28	Yes
2		[5]	0.161	0.172	0.034	11:35:57	Yes
Mean:		[5]	0.162				
SD:		0	0.0014				
%RSD:		0	0.86				

R/R DJH 12/8/06

Standard number 4 applied. [5]
Correlation Coef.: 0.998882 Slope: 0.03047 Intercept: -0.00122

Sequence No.: 9 **Autosampler Location: 5**
Sample ID: STD 4 **Date Collected: 12/8/2006 11:36:34 AM**
Analyst: **Data Type: Reprocessed on 12/8/2006 12:57:30 PM**
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]	0.151	0.163	0.031	11:37:24	Yes
2		[5]	0.149	0.161	0.031	11:37:53	Yes
Mean:		[5]	0.150				
SD:		0	0.0014				
%RSD:		0	0.96				

Standard number 4 applied. [5]
Correlation Coef.: 0.999821 Slope: 0.03018 Intercept: -0.00220

Sequence No.: 10 **Autosampler Location: 9**
Sample ID: 1600 **Date Collected: 12/8/2006 11:38:18 AM**
Analyst: **Data Type: Reprocessed on 12/8/2006 12:57:30 PM**
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	0.005174	5.1743	0.154	0.165	0.032	11:39:06	Yes
2	0.005128	5.1278	0.153	0.164	0.032	11:39:35	Yes
Mean:	0.005151	5.1510	0.153				
SD:	0.000033	0.032873	0.0010				
%RSD:	0.63819	0.63819	0.65				

QC value within limits for Hg 253.7 Recovery = 103.02%
All analyte(s) passed QC.

Sequence No.: 11 **Autosampler Location: 1**
Sample ID: 1700 **Date Collected: 12/8/2006 11:39:53 AM**
Analyst: **Data Type: Reprocessed on 12/8/2006 12:57:30 PM**
Initial Sample Wt: **Initial Sample Vol:**
Dilution: **Sample Prep Vol:**

Replicate Data: 1700

035570

Repl #	SampleConc mg/L	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.000030	0.029578	-0.001	0.010	0.002	11:40:42	Yes
2	0.000038	0.038116	-0.001	0.010	0.002	11:41:11	Yes
Mean:	0.000034	0.033847	-0.001				
SD:	0.000006	0.006037	0.0002				
%RSD:	17.837	17.837	15.49				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 12 **Autosampler Location: 5**
Sample ID: 1800 **Date Collected: 12/8/2006 11:41:30 AM**
Analyst: **Data Type: Reprocessed on 12/8/2006 12:57:30 PM**
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	0.005059	5.0587	0.150	0.162	0.031	11:42:20	Yes
2	0.005036	5.0362	0.150	0.161	0.031	11:42:49	Yes
Mean:	0.005047	5.0475	0.150				
SD:	0.000016	0.015884	0.0005				
%RSD:	0.31470	0.31470	0.32				

QC value within limits for Hg 253.7 Recovery = 100.95%
All analyte(s) passed QC.

Sequence No.: 13 **Autosampler Location: 1**
Sample ID: 1900 **Date Collected: 12/8/2006 11:43:09 AM**
Analyst: **Data Type: Reprocessed on 12/8/2006 12:57:30 PM**
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	0.000082	0.081627	0.000	0.011	0.002	11:43:58	Yes
2	0.000046	0.046158	-0.001	0.010	0.002	11:44:27	Yes
Mean:	0.000064	0.063893	-0.000				
SD:	0.000025	0.025080	0.0008				
%RSD:	39.254	39.254	280.62				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 14 **Autosampler Location: 17**
Sample ID: 436546 **Date Collected: 12/8/2006 11:44:46 AM**
Analyst: **Data Type: Reprocessed on 12/8/2006 12:57:30 PM**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

Replicate Data: 436546

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.005611	-0.11223	-0.006	0.006	0.001	11:45:34	Yes
2	-0.006012	-0.12024	-0.006	0.005	0.001	11:46:02	Yes
Mean:	-0.005812	-0.11623	-0.006				
SD:	0.000283	0.005664	0.0002				
%RSD:	4.8731	4.8731	3.00				

Sequence No.: 15 **Autosampler Location: 18**
Sample ID: 436547 **Date Collected: 12/8/2006 11:46:21 AM**
Analyst: **Data Type: Reprocessed on 12/8/2006 12:57:30 PM**
Initial Sample Wt: 0.6 g **Initial Sample Vol:**
Dilution: 1X **Sample Prep Vol: 30 mL**

035571

Replicate Data: 436547

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.25010	5.0020	0.149	0.160	0.031	11:47:09	Yes
2	0.24896	4.9791	0.148	0.159	0.031	11:47:38	Yes
Mean:	0.24953	4.9906	0.148				
SD:	0.000808	0.016165	0.0005				
%RSD:	0.32390	0.32390	0.33				

Sequence No.: 16
Sample ID: 20612072801
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 19
Date Collected: 12/8/2006 11:47:57 AM
Data Type: Reprocessed on 12/8/2006 12:57:31 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072801

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.007653	0.15305	0.002	0.014	0.002	11:48:46	Yes
2	0.005602	0.11204	0.001	0.012	0.002	11:49:14	Yes
Mean:	0.006627	0.13255	0.002				
SD:	0.001450	0.028998	0.0009				
%RSD:	21.877	21.877	48.56				

Sequence No.: 17
Sample ID: 20612072804
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 20
Date Collected: 12/8/2006 11:49:33 AM
Data Type: Reprocessed on 12/8/2006 12:57:31 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072804

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.24953	4.9907	0.148	0.160	0.030	11:50:22	Yes
2	0.24546	4.9091	0.146	0.157	0.030	11:50:51	Yes
Mean:	0.24749	4.9499	0.147				
SD:	0.002883	0.057651	0.0017				
%RSD:	1.1647	1.1647	1.18				

Sequence No.: 18
Sample ID: 20612072805
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 21
Date Collected: 12/8/2006 11:51:10 AM
Data Type: Reprocessed on 12/8/2006 12:57:31 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072805

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.27361	5.4721	0.163	0.174	0.033	11:51:59	Yes
2	0.27031	5.4062	0.161	0.172	0.033	11:52:28	Yes
Mean:	0.27196	5.4392	0.162				
SD:	0.002331	0.046620	0.0014				
%RSD:	0.85711	0.85711	0.87				

Sequence No.: 19
Sample ID: 436779
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 5X

Autosampler Location: 22
Date Collected: 12/8/2006 11:52:47 AM
Data Type: Reprocessed on 12/8/2006 12:57:31 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 436779

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	-0.027335	-0.10934	-0.005	0.006	0.001	11:53:37	Yes
2	-0.024755	-0.099021	-0.005	0.006	0.001	11:54:05	Yes
Mean:	-0.026045	-0.10418	-0.005				
SD:	0.001824	0.007296	0.0002				
%RSD:	7.0032	7.0032	4.12				

Sequence No.: 20
Sample ID: 20612072802
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 23
Date Collected: 12/8/2006 11:54:25 AM
Data Type: Reprocessed on 12/8/2006 12:57:31 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072802

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018369	0.37351	0.009	0.020	0.004	11:55:15	Yes
2	0.015956	0.32443	0.008	0.019	0.004	11:55:43	Yes
Mean:	0.017162	0.34897	0.008				
SD:	0.001707	0.034703	0.0010				
%RSD:	9.9443	9.9443	12.57				

Sequence No.: 21
Sample ID: 20612072803
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 24
Date Collected: 12/8/2006 11:56:03 AM
Data Type: Reprocessed on 12/8/2006 12:57:31 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072803

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.004859	0.098797	0.001	0.012	0.002	11:56:53	Yes
2	0.005524	0.11232	0.001	0.012	0.002	11:57:22	Yes
Mean:	0.005191	0.10556	0.001				
SD:	0.000470	0.009559	0.0003				
%RSD:	9.0558	9.0558	29.21				

Sequence No.: 22
Sample ID: 20612072806
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 25
Date Collected: 12/8/2006 11:57:42 AM
Data Type: Reprocessed on 12/8/2006 12:57:31 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072806

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018965	0.37930	0.009	0.020	0.004	11:58:32	Yes
2	0.017290	0.34581	0.008	0.019	0.004	11:59:00	Yes
Mean:	0.018128	0.36255	0.009				
SD:	0.001184	0.023681	0.0007				
%RSD:	6.5317	6.5317	8.17				

Sequence No.: 23
Sample ID: 20612072807
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 26
Date Collected: 12/8/2006 11:59:21 AM
Data Type: Reprocessed on 12/8/2006 12:57:31 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072807

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.014729	0.29949	0.007	0.018	0.004	12:00:11	Yes

2	0.014267	0.29010	0.007	0.018	0.004	12:00:40	Yes
Mean:	0.014498	0.29479	0.007				
SD:	0.000327	0.006640	0.0002				
%RSD:	2.2526	2.2526	2.99				

Sequence No.: 24 — **Autosampler Location: 5**
Sample ID: 1800 — **Date Collected: 12/8/2006 12:01:01 PM**
Analyst: — **Data Type: Reprocessed on 12/8/2006 12:57:32 PM**
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	0.005289	5.2890	0.157	0.169	0.033	12:01:51	Yes
2	0.005280	5.2798	0.157	0.168	0.033	12:02:20	Yes
Mean:	0.005284	5.2844	0.157				
SD:	0.000007	0.006542	0.0002				
%RSD:	0.12380	0.12380	0.13				

QC value within limits for Hg 253.7 Recovery = 105.69%
All analyte(s) passed QC.

Sequence No.: 25 — **Autosampler Location: 1**
Sample ID: 1900 — **Date Collected: 12/8/2006 12:02:41 PM**
Analyst: — **Data Type: Reprocessed on 12/8/2006 12:57:32 PM**
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	0.000115	0.11530	0.001	0.013	0.002	12:03:29	Yes
2	0.000098	0.097834	0.001	0.012	0.002	12:03:58	Yes
Mean:	0.000107	0.10656	0.001				
SD:	0.000012	0.012347	0.0004				
%RSD:	11.586	11.586	36.60				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 26 — **Autosampler Location: 27**
Sample ID: 20612072808 — **Date Collected: 12/8/2006 12:04:17 PM**
Analyst: — **Data Type: Reprocessed on 12/8/2006 12:57:32 PM**
Initial Sample Wt: 0.61 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

Replicate Data: 20612072808

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.026005	0.52877	0.014	0.025	0.005	12:05:08	Yes
2	0.023570	0.47925	0.012	0.023	0.005	12:05:36	Yes
Mean:	0.024787	0.50401	0.013				
SD:	0.001722	0.035014	0.0011				
%RSD:	6.9471	6.9471	8.12				

Sequence No.: 27 — **Autosampler Location: 28**
Sample ID: 20612072809 — **Date Collected: 12/8/2006 12:05:57 PM**
Analyst: — **Data Type: Reprocessed on 12/8/2006 12:57:32 PM**
Initial Sample Wt: 0.6 g — **Initial Sample Vol:**
Dilution: 1X — **Sample Prep Vol: 30 mL**

Replicate Data: 20612072809

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored

035574

1	0.012854	0.25709	0.006	0.017	0.003	12:06:48	Yes
2	0.010868	0.21735	0.004	0.016	0.003	12:07:17	Yes
Mean:	0.011861	0.23722	0.005				
SD:	0.001405	0.028100	0.0008				
%RSD:	11.845	11.845	17.09				

Sequence No.: 28 Autosampler Location: 29
Sample ID: 20612072810 Date Collected: 12/8/2006 12:07:38 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:32 PM
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20612072810

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008408	0.16815	0.003	0.014	0.003	12:08:29	Yes
2	0.007685	0.15369	0.002	0.014	0.003	12:08:58	Yes
Mean:	0.008046	0.16092	0.003				
SD:	0.000511	0.010225	0.0003				
%RSD:	6.3542	6.3542	11.61				

Sequence No.: 29 Autosampler Location: 30
Sample ID: 20612072811 Date Collected: 12/8/2006 12:09:20 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:32 PM
Initial Sample Wt: 0.61 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20612072811

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.009008	0.18317	0.003	0.015	0.003	12:10:11	Yes
2	0.009089	0.18481	0.003	0.015	0.003	12:10:40	Yes
Mean:	0.009049	0.18399	0.003				
SD:	0.000057	0.001159	0.0000				
%RSD:	0.62973	0.62973	1.04				

Sequence No.: 30 Autosampler Location: 31
Sample ID: 20612072812 Date Collected: 12/8/2006 12:11:01 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:33 PM
Initial Sample Wt: 0.61 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20612072812

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.001374	0.027942	-0.001	0.010	0.002	12:11:53	Yes
2	0.001060	0.021547	-0.002	0.010	0.002	12:12:21	Yes
Mean:	0.001217	0.024744	-0.001				
SD:	0.000222	0.004522	0.0001				
%RSD:	18.274	18.274	9.40				

Sequence No.: 31 Autosampler Location: 32
Sample ID: 20612072813 Date Collected: 12/8/2006 12:12:43 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:33 PM
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20612072813

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.023385	0.46771	0.012	0.023	0.004	12:13:31	Yes
2	0.022382	0.44764	0.011	0.023	0.004	12:14:00	Yes
Mean:	0.022884	0.45767	0.012				

035575

SD:	0.000710	0.014192	0.0004
%RSD:	3.1009	3.1009	3.69

Sequence No.: 32
Sample ID: 436556
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 33
Date Collected: 12/8/2006 12:14:18 PM
Data Type: Reprocessed on 12/8/2006 12:57:33 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 436556

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018672	0.37344	0.009	0.020	0.004	12:15:06	Yes
2	0.018721	0.37442	0.009	0.020	0.004	12:15:35	Yes
Mean:	0.018697	0.37393	0.009				
SD:	0.000034	0.000690	0.0000				
%RSD:	0.18452	0.18452	0.23				

Sequence No.: 33
Sample ID: 20612072815
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 34
Date Collected: 12/8/2006 12:15:53 PM
Data Type: Reprocessed on 12/8/2006 12:57:33 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072815

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.036837	0.73673	0.020	0.031	0.006	12:16:41	Yes
2	0.037888	0.75776	0.021	0.032	0.006	12:17:10	Yes
Mean:	0.037362	0.74725	0.020				
SD:	0.000744	0.014874	0.0004				
%RSD:	1.9904	1.9904	2.21				

Sequence No.: 34
Sample ID: 20612072816
Analyst:
Initial Sample Wt: 0.6 g
Dilution: 1X

Autosampler Location: 35
Date Collected: 12/8/2006 12:17:29 PM
Data Type: Reprocessed on 12/8/2006 12:57:33 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072816

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.020404	0.40808	0.010	0.021	0.004	12:18:17	Yes
2	0.020363	0.40727	0.010	0.021	0.004	12:18:46	Yes
Mean:	0.020384	0.40767	0.010				
SD:	0.000029	0.000574	0.0000				
%RSD:	0.14075	0.14075	0.17				

Sequence No.: 35
Sample ID: 20612072817
Analyst:
Initial Sample Wt: 0.61 g
Dilution: 1X

Autosampler Location: 36
Date Collected: 12/8/2006 12:19:05 PM
Data Type: Reprocessed on 12/8/2006 12:57:33 PM
Initial Sample Vol:
Sample Prep Vol: 30 mL

Replicate Data: 20612072817

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.018444	0.37502	0.009	0.020	0.004	12:19:54	Yes
2	0.020102	0.40875	0.010	0.021	0.004	12:20:23	Yes
Mean:	0.019273	0.39189	0.010				
SD:	0.001173	0.023846	0.0007				
%RSD:	6.0849	6.0849	7.47				

Sequence No.: 36 Autosampler Location: 5
Sample ID: 1800 Date Collected: 12/8/2006 12:20:42 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:34 PM
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	0.005427	5.4269	0.162	0.173	0.034	12:21:32	Yes
2	0.005467	5.4666	0.163	0.174	0.034	12:22:02	Yes
Mean:	0.005447	5.4467	0.162				
SD:	0.000028	0.028039	0.0008				
%RSD:	0.51479	0.51479	0.52				

QC value within limits for Hg 253.7 Recovery = 108.93%
All analyte(s) passed QC.

Sequence No.: 37 Autosampler Location: 1
Sample ID: 1900 Date Collected: 12/8/2006 12:22:22 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:34 PM
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	0.000083	0.083363	0.000	0.012	0.002	12:23:10	Yes
2	0.000072	0.071873	-0.000	0.011	0.002	12:23:39	Yes
Mean:	0.000078	0.077618	0.000				
SD:	0.000008	0.008124	0.0002				
%RSD:	10.467	10.467	169.68				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

Sequence No.: 38 Autosampler Location: 37
Sample ID: 20612072818 Date Collected: 12/8/2006 12:23:58 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:34 PM
Initial Sample Wt: 0.61 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20612072818

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.005808	0.11810	0.001	0.013	0.002	12:24:47	Yes
2	0.004282	0.087067	0.000	0.012	0.002	12:25:16	Yes
Mean:	0.005045	0.10259	0.001				
SD:	0.001079	0.021947	0.0007				
%RSD:	21.394	21.394	73.76				

Sequence No.: 39 Autosampler Location: 38
Sample ID: 20612072819 Date Collected: 12/8/2006 12:25:35 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:34 PM
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20612072819

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.006446	0.12893	0.002	0.013	0.002	12:26:25	Yes
2	0.006213	0.12426	0.002	0.013	0.002	12:26:53	Yes
Mean:	0.006330	0.12659	0.002				
SD:	0.000165	0.003297	0.0001				
%RSD:	2.6045	2.6045	6.13				

035577

Sequence No.: 40 Autosampler Location: 39
Sample ID: 20612072820 Date Collected: 12/8/2006 12:27:13 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:34 PM
Initial Sample Wt: 0.6 g Initial Sample Vol:
Dilution: 1X Sample Prep Vol: 30 mL

Replicate Data: 20612072820

Repl #	SampleConc mg/kg	StndConc ug/L	BlnkCorr Signal	Peak Area	Peak Height	Time	Peak Stored
1	0.008886	0.17772	0.003	0.014	0.003	12:28:03	Yes
2	0.008559	0.17117	0.003	0.014	0.003	12:28:32	Yes
Mean:	0.008722	0.17445	0.003				
SD:	0.000232	0.004631	0.0001				
%RSD:	2.6544	2.6544	4.56				

Sequence No.: 41 Autosampler Location: 5
Sample ID: 1800 Date Collected: 12/8/2006 12:28:51 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:34 PM
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	0.005542	5.5425	0.165	0.176	0.035	12:29:42	Yes
2	0.005477	5.4770	0.163	0.174	0.035	12:30:10	Yes
Mean:	0.005510	5.5097	0.164				
SD:	0.000046	0.046322	0.0014				
%RSD:	0.84074	0.84074	0.85				

QC value within limits for Hg 253.7 Recovery = 110.19%
All analyte(s) passed QC.

Sequence No.: 42 Autosampler Location: 1
Sample ID: 1900 Date Collected: 12/8/2006 12:30:31 PM
Analyst: Data Type: Reprocessed on 12/8/2006 12:57:34 PM
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	0.000080	0.080136	0.000	0.011	0.002	12:31:19	Yes
2	0.000097	0.097171	0.001	0.012	0.002	12:31:48	Yes
Mean:	0.000089	0.088654	0.000				
SD:	0.000012	0.012045	0.0004				
%RSD:	13.587	13.587	76.12				

QC value within limits for Hg 253.7 Recovery = Not calculated
All analyte(s) passed QC.

035578

ICP SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-7-06 1430 1830	BATCH NO:	338389
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 338389 [DIGM/13321]	436544	1.25	50		HNO3
2	QC ACCOUNT	LCS for HBN 338389 [DIGM/13321	436545	1.25			331-63-19
3	4482	SWSED1-001 (0-0.5)	20612072801	1.25			HCL
4	4482	SWSED8-008 (0-0.5)	20612072802	1.26			331-63-22
5	4482	SWSED16-016 (0-0.5)	20612072803	1.26			H2O2
6	4482	SWSED1-001 (0-0.5) MS	20612072804	1.25			331-62-1
7	4482	SWSED1-001 (0-0.5) MSD	20612072805	1.25			
8	4482	SWSED2-002 (0-0.5)	20612072806	1.26			
9	4482	SWSED5-005 (0-0.5)	20612072807	1.26			
10	4482	SWSED6-006 (0-0.5)	20612072808	1.25			
11	4482	SWSED9-009 (0-0.5)	20612072809	1.25			
12	4482	SWSED10-010 (0-0.5)	20612072810	1.26			
13	4482	SWSED11-011 (0-0.5)	20612072811	1.26			
14	4482	SWSED12-012 (0-0.5)	20612072812	1.25			
15	4482	SWSED3-003 (0-0.5)	20612072813	1.25			
16	4482	SWSED3-003 (0-0.5)D	20612072814	1.25			
17	4482	SWSED4-004 (0-0.5)	20612072815	1.25			SPIKING SOLUTIONS (LCS/MS)
18	4482	SWSED15-015 (0-0.5)	20612072816	1.26			
19	4482	SWSED7-007 (0-0.5)	20612072817	1.26			GCALI-1 - 250uL
20	4482	SWSED13-013 (0-0.5)	20612072818	1.25			331-61-6
21	4482	SWSED14-014 (0-0.5)	20612072819	1.25			GCALI-2 - 250uL
22	4482	SWSED17-017 (0-0.5)	20612072820	1.26	↓		331-61-4
23							ORGANOMETALLIC ICP SPIKE 0.025g
24							
25							
26							
27							
28							

COMMENTS:

BLOCK ID	TECHNICIAN	DATE
A1	JTC	12-7-06
REPIPET BOTTLES VERIFIED	**REVIEW**	**DATE**
JTC	KDM	12-11-06

001491

035579

HG SAMPLE PREPARATION FORM

EXTRACTION DATE/TIME:	12-4-06 14:30 / 15:10	BATCH NO:	338390
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 338390 [DIGM/13322]	436546	0.0	30		HNO3
2	QC ACCOUNT	LCS for HBN 338390 [DIGM/13322	436547	0.00			
3	4482	SWSED1-001 (0-0.5)	20612072801	0.0			H2SO4
4	4482	SWSED8-008 (0-0.5)	20612072802	0.0			
5	4482	SWSED16-016 (0-0.5)	20612072803	0.0			Aqua Regia
6	4482	SWSED1-001 (0-0.5) MS	20612072804	0.0			331 163-14
7	4482	SWSED1-001 (0-0.5) MSD	20612072805	0.0			KMN04
8	4482	SWSED2-002 (0-0.5)	20612072806	0.0			331-163-20
9	4482	SWSED5-005 (0-0.5)	20612072807	0.0			K2S2O6
10	4482	SWSED6-006 (0-0.5)	20612072808	0.0			
11	4482	SWSED9-009 (0-0.5)	20612072809	0.0			Hg Calib ID
12	4482	SWSED10-010 (0-0.5)	20612072810	0.0			
13	4482	SWSED11-011 (0-0.5)	20612072811	0.0			0.1 ppm CCV Working Solution
14	4482	SWSED12-012 (0-0.5)	20612072812	0.0			
15	4482	SWSED3-003 (0-0.5)	20612072813	0.0			0.1 ppm ICV Working Solution
16	4482	SWSED3-003 (0-0.5)D	20612072814	0.0			
17	4482	SWSED4-004 (0-0.5)	20612072815	0.0			Hg ICV
18	4482	SWSED15-015 (0-0.5)	20612072816	0.0			
19	4482	SWSED7-007 (0-0.5)	20612072817	0.0			SPIKE SOLUTIONS (LCS/MS)
20	4482	SWSED13-013 (0-0.5)	20612072818	0.0			
21	4482	SWSED14-014 (0-0.5)	20612072819	0.0			Hg Spike 100uL (150uL)
22	4482	SWSED17-017 (0-0.5)	20612072820	0.0			163 42-2
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	JFL	12-7-06
REPIPET BOTTLES VERIFIED	**REVIEW**	**DATE**
JFL	kmm	12-11-06

001492

035580

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072801	2WSED1-001 (0-0.5)	Solid	12/06/2006 11:15	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	22.5			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072801	2WSED1-001 (0-0.5)	Solid	12/06/2006 11:15	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072801	2WSED1-001 (0-0.5)	Solid	12/06/2006 11:15	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:54	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.29U	1.29	0.387	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072802	2WSED8-008 (0-0.5)	Solid	12/06/2006 10:15	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	32.0			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072802	2WSED8-008 (0-0.5)	Solid	12/06/2006 10:15	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	8450	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072802	2WSED8-008 (0-0.5)	Solid	12/06/2006 10:15	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:51	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.47U	1.47	0.441	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072803	**2WSED16-016 (0-0.5)**	Solid	12/06/2006 10:30	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	45.5			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072803	**2WSED16-016 (0-0.5)**	Solid	12/06/2006 10:30	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	12500	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072803	**2WSED16-016 (0-0.5)**	Solid	12/06/2006 10:30	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:52	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	4.04	1.84	0.551	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072804	2WSED1-001 (0-0.5) MS	Solid	12/06/2006 11:15	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	22400	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072804	2WSED1-001 (0-0.5) MS	Solid	12/06/2006 11:15	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:55	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	143	1.84	0.551	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072805	2WSED1-001 (0-0.5) MSD	Solid	12/06/2006 11:15	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

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
20612072805	**2WSED1-001 (0-0.5) MSD**	Solid	12/06/2006 11:15	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 07:03	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	144	1.84	0.551	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072806	2WSED2-002 (0-0.5)	Solid	12/06/2006 08:25	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	58.8			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072806	2WSED2-002 (0-0.5)	Solid	12/06/2006 08:25	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	28300	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072806	2WSED2-002 (0-0.5)	Solid	12/06/2006 08:25	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:41	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	2.67	2.43	0.728	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072807	2WSED5-005 (0-0.5)	Solid	12/06/2006 08:20	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	40.3			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072807	2WSED5-005 (0-0.5)	Solid	12/06/2006 08:20	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	27900	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072807	2WSED5-005 (0-0.5)	Solid	12/06/2006 08:20	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:40	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	4.02	1.68	0.503	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

001511

035599

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072808	2WSED6-006 (0-0.5)	Solid	12/06/2006 08:25	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	36.2			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072808	2WSED6-006 (0-0.5)	Solid	12/06/2006 08:25	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	9200	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072808	**2WSED6-006 (0-0.5)**	Solid	12/06/2006 08:25	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:42	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	2.98	1.57	0.470	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072809	2WSED9-009 (0-0.5)	Solid	12/06/2006 10:20	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	17.5			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072809	2WSED9-009 (0-0.5)	Solid	12/06/2006 10:20	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	7210	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072809	2WSED9-009 (0-0.5)	Solid	12/06/2006 10:20	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:51	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.21U	1.21	0.364	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072810	2WSED10-010 (0-0.5)	Solid	12/06/2006 09:30	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	26.8			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072810	2WSED10-010 (0-0.5)	Solid	12/06/2006 09:30	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	13000	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072810	2WSED10-010 (0-0.5)	Solid	12/06/2006 09:30	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:50	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.37U	1.37	0.410	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

001520

035608

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072811	**2WSED11-011 (0-0.5)**	Solid	12/06/2006 09:35	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	26.2			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072811	2WSED11-011 (0-0.5)	Solid	12/06/2006 09:35	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	33300	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072811	**2WSED11-011 (0-0.5)**	Solid	12/06/2006 09:35	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:51	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.36U	1.36	0.407	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072812	2WSED12-012 (0-0.5)	Solid	12/06/2006 09:40	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	16.9			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072812	2WSED12-012 (0-0.5)	Solid	12/06/2006 09:40	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	33900	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072812	**2WSED12-012 (0-0.5)**	Solid	12/06/2006 09:40	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:51	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.20U	1.20	0.361	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072813	**2WSED3-003 (0-0.5)**	Solid	12/06/2006 11:00	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	59.0			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072813	2WSED3-003 (0-0.5)	Solid	12/06/2006 11:00	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072813	2WSED3-003 (0-0.5)	Solid	12/06/2006 11:00	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:53	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	2.44U	2.44	0.731	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072814	2WSED3-003 (0-0.5)D	Solid	12/06/2006 11:00	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	56.3			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072814	2WSED3-003 (0-0.5)D	Solid	12/06/2006 11:00	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	9290	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072814	2WSED3-003 (0-0.5)D	Solid	12/06/2006 11:00	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:53	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	2.29U	2.29	0.687	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072815	**2WSED4-004 (0-0.5)**	Solid	12/06/2006 11:30	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	53.6			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072815	2WSED4-004 (0-0.5)	Solid	12/06/2006 11:30	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	50300	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072815	2WSED4-004 (0-0.5)	Solid	12/06/2006 11:30	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 07:04	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.94B	2.15	0.646	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072816	2WSED15-015 (0-0.5)	Solid	12/06/2006 11:35	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	65.7			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072816	**2WSED15-015 (0-0.5)**	Solid	12/06/2006 11:35	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	53600	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072816	2WSED15-015 (0-0.5)	Solid	12/06/2006 11:35	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 07:05	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	2.91U	2.91	0.873	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

001538

035626

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072817	2WSED7-007 (0-0.5)	Solid	12/06/2006 09:00	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	35.3			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072817	2WSED7-007 (0-0.5)	Solid	12/06/2006 09:00	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	26500	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072817	2WSED7-007 (0-0.5)	Solid	12/06/2006 09:00	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:42	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	3.56	1.55	0.464	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072818	2WSED13-013 (0-0.5)	Solid	12/06/2006 09:05	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	17.1			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072818	2WSED13-013 (0-0.5)	Solid	12/06/2006 09:05	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072818	**2WSED13-013 (0-0.5)**	Solid	12/06/2006 09:05	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:42	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	0.362B	1.21	0.362	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072819	**2WSED14-014 (0-0.5)**	Solid	12/06/2006 09:10	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	19.0			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072819	2WSED14-014 (0-0.5)	Solid	12/06/2006 09:10	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072819	2WSED14-014 (0-0.5)	Solid	12/06/2006 09:10	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 06:42	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.23	1.23	0.370	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072820	2WSED17-017 (0-0.5)	Solid	12/06/2006 11:30	12/07/2006 10:25

2540 G Total Moisture - Solid

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/14/2006 16:25	RLY	338836

CAS#	Parameter	Result	RDL	MDL	Units
WET-037	Total Moisture	47.1			%

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072820	2WSED17-017 (0-0.5)	Solid	12/06/2006 11:30	12/07/2006 10:25

SW-846 9060M TOC

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
			1	12/15/2006 10:00	AEL	338838

CAS#	Parameter	Result	RDL	MDL	Units
C-012	Total Organic Carbon	200U	200	146	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612072820	**2WSED17-017 (0-0.5)**	Solid	12/06/2006 11:30	12/07/2006 10:25

7196A Solid Hex Chromium

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/08/2006 09:00	338406	3060A	1	12/11/2006 07:04	JEM	338524

CAS#	Parameter	Result	RDL	MDL	Units
18540-29-9	Chromium VI	1.89U	1.89	0.567	mg/kg

RESULTS REPORTED ON A DRY WEIGHT BASIS

General Chemistry Quality Control Summary

Analytical Batch 338838	Client ID	MB338838	LCS338838
Prep Batch N/A	GCAL ID	438677	438678
	Sample Type	Method Blank	LCS
	Analytical Date	12/14/2006 11:30	12/14/2006 11:30
	Matrix	Solid	Solid

SW-846 9060M TOC		Units / Result	mg/kg / RDL	Spike Added	Result	% R	Control Limits % R
C-012	Total Organic Carbon	200U	200	2000	2000	100	69 - 128

Analytical Batch 338838	Client ID	2WSED1-001 (0-0.5)	2WSED1-001 (0-0.5) MS	2WSED1-001 (0-0.5) MSD
Prep Batch N/A	GCAL ID	20612072801	20612072804	20612072805
	Sample Type	SAMPLE	MS	MSD
	Analytical Date	12/15/2006 10:00	12/15/2006 10:00	12/15/2006 10:00
	Matrix	Solid	Solid	Solid

SW-846 9060M TOC		Units / Result	mg/kg / RDL	Spike Added	Result	% R	Control Limits % R	Result	% R	RPD	RPD Limit
C-012	Total Organic Carbon	0.000	200	24000	22400	94	69 - 128	21500	89	4	25

Analytical Batch 338838	Client ID	168201 R1-2-BG-1	436899DUP
Prep Batch N/A	GCAL ID	20612081501	438681
	Sample Type	SAMPLE	DUP
	Analytical Date	12/14/2006 11:30	12/14/2006 11:30
	Matrix	Solid	Solid

SW-846 9060M TOC		Units / Result	mg/kg / RDL	Result	RPD	RPD Limit
C-012	Total Organic Carbon	0.000	200	0.000	0	25

001551

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General Chemistry Quality Control Summary

Analytical Batch 338524	**Client ID**	MB338406			LCS338406			
Prep Batch 338406	**GCAL ID**	436673			436674			
Prep Method 3060A	**Sample Type**	Method Blank			LCS			
	Prep Date	12/08/2006 09:00			12/08/2006 09:00			
	Analytical Date	12/11/2006 06:39			12/11/2006 06:39			
	Matrix	Solid			Solid			
7196A Solid Hex Chromium	**Units**	mg/kg	**Spike**		**Result**		**Control**	
	Result	**RDL**	**Added**			**% R**	**Limits % R**	
18540-29-9 Chromium VI	1.00U	1.00	100		86.6	86.6	75 - 125	

Analytical Batch 338524	**Client ID**	2WSED1-001 (0-0.5)			2WSED1-001 (0-0.5) MS			2WSED1-001 (0-0.5) MSD			
Prep Batch 338406	**GCAL ID**	20612072801			20612072804			20612072805			
Prep Method 3060A	**Sample Type**	SAMPLE			MS			MSD			
	Prep Date	12/08/2006 09:00			12/08/2006 09:00			12/08/2006 09:00			
	Analytical Date	12/11/2006 06:54			12/11/2006 06:55			12/11/2006 07:03			
	Matrix	Solid			Solid			Solid			
7196A Solid Hex Chromium	**Units**	mg/kg	**Spike**		**Result**		**Control**	**Result**			**RPD**
	Result	**RDL**	**Added**			**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
18540-29-9 Chromium VI	0.000	1.00	100		78.0	78	75 - 125	78.3	78.3	0.38	

Analytical Batch 338524	**Client ID**	2WSED5-005 (0-0.5)	436549DUP			
Prep Batch 338406	**GCAL ID**	20612072807	436676			
Prep Method 3060A	**Sample Type**	SAMPLE	DUP			
	Prep Date	12/08/2006 09:00	12/08/2006 09:00			
	Analytical Date	12/11/2006 06:40	12/11/2006 06:41			
	Matrix	Solid	Solid			
7196A Solid Hex Chromium	**Units**	mg/kg	**Result**		**RPD**	
	Result	**RDL**		**RPD**	**Limit**	
18540-29-9 Chromium VI	2.40	1.00	2.20	8.7	25	

035640

001553

TOTAL SOLIDS AND MOISTURE ANALYSIS FOR DRY WEIGHT CORRECTION

	BW	TM						
HBN	338835	338836		ANALYST:	RLY		DATE:	12/14/2006
SOLI	8145	8146		REVIEW:	BMC 12/17/06		TIME:	16:25:00

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
20612072801	1	1.0159	11.0612	8.7967	10.0453	7.7808	22.54	77.46
20612072802	2	0.9997	10.9795	7.7886	9.9798	6.7889	31.97	68.03
20612072803	3	1.0430	10.8981	6.4110	9.8551	5.3680	45.53	54.47
20612072804	3	1.0430	10.8981	6.4110	9.8551	5.3680	45.53	54.47
20612072805	3	1.0430	10.8981	6.4110	9.8551	5.3680	45.53	54.47
20612072806	6	1.0137	11.8859	5.4926	10.8722	4.4789	58.80	41.20
20612072807	7	1.0090	10.7980	6.8507	9.7890	5.8417	40.32	59.68
20612072808	8	1.0200	11.2049	7.5180	10.1849	6.4980	36.20	63.80
20612072809	9	1.0366	10.8187	9.1028	9.7821	8.0662	17.54	82.46
20612072810	10	1.0432	11.1991	8.4764	10.1559	7.4332	26.81	73.19
20612072811	11	1.0395	10.7316	8.1891	9.6921	7.1496	26.23	73.77
20612072812	12	1.0339	10.5491	8.9399	9.5152	7.9060	16.91	83.09
20612072813	13	1.0311	10.7883	5.0344	9.7572	4.0033	58.97	41.03
20612072814	14	1.0539	11.0668	5.4262	10.0129	4.3723	56.33	43.67
20612072815	15	1.0053	10.2071	5.2755	9.2018	4.2702	53.59	46.41
20612072816	16	1.0318	10.3467	4.2314	9.3149	3.1996	65.65	34.35
20612072817	17	1.0240	10.8654	7.3877	9.8414	6.3637	35.34	64.66
20612072818	18	1.0224	11.4804	9.6904	10.4580	8.6680	17.12	82.88
20612072819	19	1.0076	11.1229	9.2047	10.1153	8.1971	18.96	81.04
20612072820	20	1.0111	11.4810	6.5518	10.4699	5.5407	47.08	52.92

TS % = (Final Sample Mass x 100) / Initial Sample Mass

TM % = 100-TS%

035641

TOTAL ORGANIC CARBON SOLIDS - SHIMADZU 5050A & SSM 5000A

DATE: 12-14-06 CALIBRATION DATE: 5-4-06

TIME: 11:30 HBN #: 338838 TC FILE # 7

ANALYST: AEZ Batch #: 2871 IC FILE # 8

001554

SAMPLE IDENTIFICATION	SAMPLE POSITION	SAMPLE WT (G)	Instrument Reading TC MN (mg/Kg)	Instrument Reading IC MN (mg/Kg)	FINAL CONC. TOC (mg/Kg)	RANGE	RECOVERY/ RPD
Method Blank	1	0.0000	<200	<200	0	30X	
CCV TC	2	0.0252	9702	—	9702 / 10,000		97
CCV IC	3	0.0995	—	9314	9314 / 10,000		93
LCS TC	4	0.0053	2002	—	2002 / 2,000		100
LCS IC	5	0.0174	—	1903	1903 / 2,000		95
20612081501	6	0.1001	<200	<200	0		
dup	6	0.1000	<200	<200	0		
dup	6	0.1000	<200	<200	0		
dup	6	0.0999	<200	<200	0		
20612081502	7	0.1000	<200	<200	0		
20612081503	8	0.1001	<200	<200	0		
CCV TC	9	0.0251	10710	—	10710/10,000		107
CCB	10	0.0000	<200	<200	0		
CCV TC	11	0.0253	10405	—	10405/10,000		104
CCB	12	0.0000	<200	<200	0		
20612072801	13	0.1001	<200	<200	0		
20612072804 ms	14	0.1000/0.0000	22443	—	22443 /24,000		94
20612072805 msd	14	0.1000/0.0000	21462	—	21462 /24,000		89
20612072802	15	0.1001	8450	<200	8450		
20612072803	16	0.1001	14993	2482	12511		
20612072806	17	0.1000	28304	<200	28304		
20612072807	18	0.1000	27949	<200	27949		
20612072808	19	0.1000	9198	<200	9198		

12-15-06 10:00 #2

CCV LOT #: TC 4912 x PX5 IC E470

LCS LOT #: TC E509 IC NG69767

ANALYST REVIEW: AEZ 12-14-06

SECONDARY REVIEW: bmc 12/14/06 12/14/06

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TOTAL ORGANIC CARBON SOLIDS - SHIMADZU 5050A & SSM 5000A

DATE: 12-15-06 CALIBRATION DATE: 5-4-06

TIME: 10:00 HBN #: 338838 TC FILE # 7

ANALYST: AEZ Batch #: 2871 IC FILE # 8

001555

SAMPLE IDENTIFICATION	SAMPLE POSITION	SAMPLE WT (G)	Instrument Reading TC MN (mg/Kg)	Instrument Reading IC MN (mg/Kg)	FINAL CONC. TOC (mg/Kg)	RANGE	RECOVERY/ RPD
206120 72809	~~20~~	0.1001	7207	7207	7207	30 X	
206120 72810	~~21~~	0.1000	13012	13012	13012		
CCV TC	~~22~~	0.0251	10218	—	10218/10,000		102
CCB	~~23~~	0.0000	<200	<200	0		
206120 72811	24	0.1000	33268	<200	33268		
206120 72812	25	0.1000	33857	<200	33857		
206120 72813	26	0.1001	<200	<200	0		
206120 72814	27	0.1000	9291	<200	9291		
206120 72815	28	0.0999	50290	<200	50290		
206120 72816	29	0.0998	53600	<200	53600		
206120 72817	30	0.1000	26510	<200	26510		
206120 72818	31	0.1000	<200	<200	0		
206120 72819	32	0.1000	<200	<200	0		
206120 72820	33	0.1001	<200	<200	0		
CCV TC	34	0.0254	10710	—	10710/10,000		107
CCV IC	35	0.1004	—	9728	9728/10,000		97
CCB	36	0.0000	<200	<200	0	↓	

CCV LOT #: TC 4912XPXS IC E470

LCS LOT #: TC E509 IC N669767

ANALYST REVIEW: AEZ 12-15-06

SECONDARY REVIEW: Jmc 12/17/06

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HACH STANDARD IDs

Analyst: JEM
Date: 12-11-06
HBN # 338524
Batch # 46668

SULFIDE	**376.2**	**HEXALENT CHROMIUM**	**7196A/3500**
CCV Lot #		CCV Lot #	A5189
CCV Expiration Date		CCV Expiration Date	7-07
ICV/LCS Lot #		ICV/LCS Lot #	NA
ICV Expiration Date		ICV Expiration Date	NA
Sulfide Reagent 1 Lot #		Powder Pillow Lot #	A6215
Sulfide Reagent 2 Lot #		Calibration Date	4-9-06
Calibration Date		Calibration Expiration Date	4-9-07
Calibration Expiration Date			

SULFATE	**375.4/9038**	**ORTHOPHOSPHATE**	**365.2**
CCV Lot #		CCV Lot #	
CCV Expiration Date		CCV Expiration Date	
ICV/LCS Lot #		ICV/LCS Lot #	
ICV Expiration Date		ICV Expiration Date	
Powder Pillow Lot #		Powder Pillow Lot #	
Conditioning Reagent Lot #		Calibration Date	
Barium Chloride Lot #		Calibration Expiration Date	
Calibration Date			
Calibration Expiration Date			

FLUORIDE	**340.1**	**CHLORINE** (Total Residual/Free)	**4500-CL G/4500-CL D**
CCV Lot #		CCV Lot #	
CCV Expiration Date		CCV Expiration Date	
ICV/LCS Lot #		ICV/LCS Lot #	
ICV Expiration Date		ICV Expiration Date	
SPADS Lot #		Powder Pillow Lot #	
Calibration Date		Calibration Date	
Calibration Expiration Date		Calibration Expiration Date	

COD	**HACH 8000**	**FERROUS IRON**	**3500-Fe D**
CCV Lot #		CCV Lot #	
CCV Expiration Date		CCV Expiration Date	
ICV/LCS Lot #		ICV/LCS Lot #	
ICV Expiration Date		ICV Expiration Date	
COD Vials Lot #		Ferrous Ammonia Acetate Lot #	
Calibration Date		Phenanthroline Lot #	
Calibration Expiration Date		Calibration Date	
		Calibration Expiration Date	

Reviewed By: [signature] 12/11/06

001556

035644

001557

DATE	TIME	GROUP	SAMPLE	VALUE	UNITS		DIL	X	PROGRAM	OPERATOR	INSTRUMENT
12/11/2006	6:38:00 AM	4668	CCV	0.536	mg/L	107%	1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:39:00 AM	4668	CCB	0	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:39:00 AM	4668	436673 MB	-0.001	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:39:00 AM	4668	436674 LCS	0.866	mg/L	87%	1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:40:00 AM	4668	436675 LCSD	0.881	mg/L	88%	1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:40:00 AM	4668	20612072807	0.024	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:41:00 AM	4668	436676 dup	0.022	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:41:00 AM	4668	20612072806	0.011	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:42:00 AM	4668	20612072808	0.019	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:42:00 AM	4668	20612072817	0.023	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:42:00 AM	4668	20612072818	0.003	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:42:00 AM	4668	20612072819	0.01	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:43:00 AM	4668	CCV	0.525	mg/L	105%	1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:43:00 AM	4668	CCB	-0.007	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:50:00 AM	4668	20612072810	-0.005	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:51:00 AM	4668	20612072811	0.002	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:51:00 AM	4668	20612072812	-0.004	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:51:00 AM	4668	20612072802	-0.006	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:51:00 AM	4668	20612072809	0	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:52:00 AM	4668	20612072803	0.022	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:53:00 AM	4668	20612072813	-0.003	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:53:00 AM	4668	20612072814	0	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:54:00 AM	4668	20612072801	-0.007	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:55:00 AM	4668	20612072804 MS	0.78	mg/L	78%	1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:56:00 AM	4668	CCV	0.514	mg/L	103%	1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	6:56:00 AM	4668	CCB	-0.008	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	7:03:00 AM	4668	20612072805 MSD	0.783	mg/L	78%	1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	7:04:00 AM	4668	20612072815	0.009	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	7:04:00 AM	4668	20612072820	-0.005	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	7:05:00 AM	4668	20612072816	-0.003	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	7:05:00 AM	4668	CCV	0.504	mg/L	101%	1		136	JEM	DR/4000V S/N: 0304V0002021 2.40
12/11/2006	7:06:00 AM	4668	CCB	-0.008	mg/L		1		136	JEM	DR/4000V S/N: 0304V0002021 2.40

HEXAVALENT CHROMIUM DISTILLATION
SM 3060A, SW-846 7196A

DATE	12-8-6 (12-8-7)	TIME	09:00	ANALYST	OY
	12-8-06				
TRIX	WATER (SOLID)			HBN:	338406

	CLIENT	CLIENT ID	GCAL ID	INITIAL VOL/WT	FINAL VOLUME	COMMENTS	REAGENT LOT NO:
1	QC ACCOUNT	MB for HBN 338406 [INPR/5375]	436673	2.5	250		1:1 Sulfuric Acid: 307-16-1
2	QC ACCOUNT	LCS for HBN 338406 [INPR/5375]	436674	2.5	250		
3	QC ACCOUNT	LCSD for HBN 338406 [INPR/5375	436675	2.5	250	CA	1:1 Nitric Acid: 8-24-2
4	4482	SWSED5-005 (0-0.5)	20612072807	2.5	250		
5	QC ACCOUNT	SWSED5-005 (0-0.5) (436549DUP)	436676	2.5	250		Sodium Carbonate Anhydrous: 8-24-13
6	4482	SWSED2-002 (0-0.5)	20612072806	2.5	250		
7	4482	SWSED6-006 (0-0.5)	20612072808	2.5	250		50% NaOH: 055627-24
8	4482	SWSED7-007 (0-0.5)	20612072817	2.5	250		
9	4482	SWSED13-013 (0-0.5)	20612072818	2.5	250		Magnesium Chloride Anhydrous: 053051
10	4482	SWSED14-014 (0-0.5)	20612072819	2.5	250		
11	4482	SWSED10-010 (0-0.5)	20612072810	2.5	250		Phosphate Buffer, K2HPO4, KH2PO4 8-25-12
12	4482	SWSED11-011 (0-0.5)	20612072811	2.5	250		
13	4482	SWSED12-012 (0-0.5)	20612072812	2.5	250		
14	4482	SWSED8-008 (0-0.5)	20612072802	2.5	250		
15	4482	SWSED9-009 (0-0.5)	20612072809	2.5	250		
16	4482	SWSED16-016 (0-0.5)	20612072803	2.5	250		
17	4482	SWSED3-003 (0-0.5)	20612072813	2.5	250		
18	4482	SWSED3-003 (0-0.5)D	20612072814	2.5	250		
19	4482	SWSED1-001 (0-0.5)	20612072801	2.5	250		
20	4482	SWSED1-001 (0-0.5) MS	20612072804	2.5	250		
21	4482	SWSED1-001 (0-0.5) MSD	20612072805	2.5	250		
22	4482	SWSED4-004 (0-0.5)	20612072815	2.5	250		
23	4482	SWSED17-017 (0-0.5)	20612072820	2.5	250		
24	4482	SWSED15-015 (0-0.5)	20612072816	2.5	250		
25							
26							

COMMENTS:

LCS/MS SPIKE ID	8-24-7	CONCENTRATION	100 ppm	Analyst Review	DATE 06
LCS VOLUME	2 1/2 mL			OY	12-8-7
MS VOLUME	2 1/2 mL				04 12-8-6
				Secondary Review	DATE
SPIKE WITNESS	SLS			Jody Lucas JO	12-8-6

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HACH STANDARD IDs

Analyst: HO
Date: 4/9/06
HBN # NA
Batch # ✓

SULFIDE	**376.2**
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Sulfide Reagent 1 Lot #	
Sulfide Reagent 2 Lot #	
Calibration Date	
Calibration Expiration Date	

HEXALENT CHROMIUM ✓	**7196A/3500**
CCV Lot #	A5189
CCV Expiration Date	7/2007
ICV/LCS Lot #	60172025
ICV Expiration Date	01/30/07
Powder Pillow Lot #	A5199
Calibration Date	4/9/06
Calibration Expiration Date	4/9/07

SULFATE	**375.4/9038**
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Powder Pillow Lot #	
Conditioning Reagent Lot #	
Barium Chloride Lot #	
Calibration Date	
Calibration Expiration Date	

ORTHOPHOSPHATE	**365.2**
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Powder Pillow Lot #	
Calibration Date	
Calibration Expiration Date	

FLUORIDE	**340.1**
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
SPADS Lot #	
Calibration Date	
Calibration Expiration Date	

CHLORINE (Total Residual/Free)	**4500-CL G/4500-CL D**
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Powder Pillow Lot #	
Calibration Date	
Calibration Expiration Date	

COD	**HACH 8000**
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
COD Vials Lot #	
Calibration Date	
Calibration Expiration Date	

FERROUS IRON	**3500-Fe D**
CCV Lot #	
CCV Expiration Date	
ICV/LCS Lot #	
ICV Expiration Date	
Ferrous Ammonia Acetate Lot #	
Phenanthroline Lot #	
Calibration Date	
Calibration Expiration Date	

Reviewed By: BMC 4/9/06

035647

DR/4000V S/N: 0304V0002021 2.40
09-APR-06 08:23:56 USER PROGRAM 136

Parameter	Setting	
Name:	CROM HEX	
Format:	XX.XXX	
Units:	mg/L	
Chemical form:	OFF	
Lower limit:	OFF	
Upper limit:	1.000 mg/L	
Wavelength:	540.0 nm	
Calib. table:		
0.0000 mg/L	0.026 ABS	
0.0100 mg/L	0.041 ABS	
0.0500 mg/L	0.121 ABS	
0.1000 mg/L	0.212 ABS	
0.5000 mg/L	0.957 ABS	
1.0000 mg/L	1.905 ABS	
Curve fit:	C=a+bA	
a:	-0.0128	
b:	0.5325	
r2=1.000		
Chemical form 2:	OFF	
Chemical form 3:	OFF	
Chemical form 4:	OFF	
Timer 1:	Wait	05:00
Timer 2:	OFF	
Timer 3:	OFF	
Timer 4:	OFF	

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DATE	TIME	GROUP	SAMPLE	VALUE	UNITS	DIL X	PROGRAM	OPERATOR	INSTRUMENT	NOTES
4/9/2006	9:04:00 AM	0	CCV	0.508	mg/L	1	136	HLO	DR/4000V S/N: 0304V0002021 2.40	
4/9/2006	9:05:00 AM	0	0.01 L.L	0.007	mg/L	1	136	HLO	DR/4000V S/N: 0304V0002021 2.40	
4/9/2006	9:13:00 AM	0	ICV	0.497	mg/L	1	136	HLO	DR/4000V S/N: 0304V0002021 2.40	
4/9/2006	9:15:00 AM	0	ICB	-0.008	mg/L	1	136	HLO	DR/4000V S/N: 0304V0002021 2.40	

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GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
~~Fed~~ MK PBW	4482	206126728	12-14-06
Client Name	Client #	Workorder #	Due Date

Report to:
Client: PBW
Address: 2201 Double Creek Drive Suite 4504 Round Rock, TX
Contact: Eric Pastor
Phone: 512 671 3434
Fax:

Bill to:
Client:
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: 2nd Round Gulfco Sediment & H_2O
Sampled By: Katy Garcia

Analytical Requests & Method

Lab use only:
Custody Seal used ☒ yes ☐ no
in tact ☒ yes ☐ no
Temperature °C 3

Matrix[1]	Date	Time (2400)	comp	Grab	Sample Description	Preservatives	No Containers	SVOA	Metals	Pest	PCB	TOC	Grain Size *	MS/MSD	VOCs * see attached email	Hexachrom	Remarks:	Lab ID
Sed	12-6-2006	1115			2WSE01-001-(0-0.5)	4°C	4	X	X	X	X	X	X		X	X		1
"	"	1015			2WSE08-008-(0-0.5)	"	4	X	X	X	X	X	X		X	X		2
"	"	1030			2WSE016-016-(0-0.5)	"	4	X	X	X	X	X	X		X	X		3
"	"	1115			2WSE01-001-(0-05) MS/MSD	"	6	X	X	X	X	X		X	X	X		4.5

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Katy M. Garcia		12-6-06	17:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	MK	12-7-06	1025
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: 1,8,16 * grain size is in a separate workorder.

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

29C100

035650

GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
PBW	4462	206120728	12-11-06
Client Name	Client #	Workorder #	Due Date

Report to:
Client: PBW
Address: 2201 Double Creek Drive Suite 4004 Round Rock, TX
Contact: Eric Pastor
Phone: 512 671 3434
Fax:

Bill to:
Client:
Address:
Contact:
Phone:
Fax:

P.O. Number

Project Name/Number: 2nd Round Gulfco Sed & H2O

Sampled By: KG

Analytical Requests & Method: SVOA; metals; pest; PCB; TOC; Grain Size *; Add PCB Congeners *; VOAs * see attached email; Hex Chrom

Lab use only:
Custody Seal used ☑ yes ☐ no
Custody Seal in tact ☑ yes ☐ no
Temperature °C 3

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	Remarks	Lab ID
Sed	12-6-2006	825			2WSED2-002-(0-5)	4°C	5		6
"	12-6-2006	820			2WSED5-005-(0-0.5)	"	4		7
"	12-6-2006	825			2WSED6-006-(0-0.5)	"	4		8

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Kathryn M. Garcia		12-6-06	16:00
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Fedex	MK	12-7-06	1025
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note:
256
* Grain size & PCB congens are in separate workbook

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

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GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only			
PBW	4482	206120728	12-14-06
Client Name	Client #	Workorder #	Due Date

Report to:
Client: PBW
Address: 2201 Double Creek Drive Suite 4004 Round Rock, TX
Contact: Eric Pastor
Phone: 512 671 3434
Fax:

Bill to:
Client:
Address:
Contact:
Phone:
Fax:

P.O. Number
Project Name/Number: Gulfco 2nd Round Sediment & H_2O

Sampled By: Katy Garcia

Analytical Requests & Method

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	SVOA	Metals	Pest	PCB	TOC	Grain Size *	Add PCB Congeners *	Voas * see attached	Hex chrom * email			Remarks:	Lab ID
Sed	12-6 2006	1020			2WSED9-009-(0-0.5)	4°C	4	X	X	X	X	X	X		+	+				9
		0930			2WSED10-010-(0-0.5)		4	X	X	X	X	X	X		+	+				10
		0935			2WSED11-011-(0-0.5)		5	X	X	X	X	X	X	X	+	+				11
		0940			2WSED12-012-(0-0.5)		4	X	X	X	X	X	X		+	+				12

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 3

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Katy M. Garcia		12-6-06	17:00
[illegible]	[illegible]	12-7-06	1025

Note: 9, 10, 11, 12

* PCB congeners & grain size are in a separate workbook

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

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GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
PBW	4482	206120728	12-14-06

Report to:
Client: PBW
Address: 2201 Double Creek Drive Suite 404 Round Rock, TX
Contact: Eric Pastor
Phone: 512 671 3434
Fax:

Bill to:
Client:
Address:
Contact:
Phone:
Fax:

P.O. Number

Project Name/Number: 2nd Round Gulfco Sediment & H_2O

Sampled By: Katy Garcia

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	SVOA	Metals	Pest	PCB	TOC	Grain Size *	VOAs	HOLD	Lab ID
Sed	12-6 2006	1100			2WSED3-003-(0-0.5)	4°C	4	X	X	X	X	X	X	X	X	13
		1100			2WSED3-003-(00.5) D	4°C	4	X	X	X	X	X	X	X	X	14
		1130			2WSED4-004-(0-0.5)	4°C	4	X	X	X	X	X	X	X	X	15
		1135			2WSED15-015 (0-0.5)	4°C	4	X	X	X	X	X	X	X	X	16

* see attached email

Analytical Requests & Method

Lab use only:
Custody Seal
used ☒ yes ☐ no
in tact ☒ yes ☐ no
Temperature °C 3

Remarks:

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Katyna Garcia		12-6-06	17:00
Fedex	MC	12-7-06	1025
Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:

Note: 3, 30, 4, 15
* grain size from a separate worksheet

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

GCGT00

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GCAL

GULF COAST ANALYTICAL LABORATORIES, INC
7979 GSRI Avenue, Baton Rouge, Louisiana 70820-7402
Phone 225.769.4900 • Fax 225.767.5717

CHAIN OF CUSTODY RECORD

Lab use only

Client Name	Client #	Workorder #	Due Date
PBW	4462	206120728	12-14-06

Report to:
Client: PBW
Address: 2201 Double Creek Drive Suite 4004 Round Rock, TX
Contact: Eric Pastor
Phone: 512 671 3434
Fax:

Bill to:
Client:
Address:
Contact:
Phone:
Fax:

P.O. Number:
Project Name/Number: 2nd Round Gulfco Sediment & H_2O
Sampled By: Katy Garcia

Analytical Requests & Method

Lab use only:
Custody Seal
used ☑ yes ☐ no
in tact ☑ yes ☐ no
Temperature °C 3°

Matrix[1]	Date	Time (2400)	Comp	Grab	Sample Description	Preservatives	No Containers	SVOA	Metals	Pest	PCB	TOC	Grain Size*	VOAs * see attached email	Remarks:	Lab ID
Sed	12-6 2006	0900			2WSED07-007-(0-0.5)	4°C	4	X	X	X	X	X	X			17
"	"	0905			2WSED18-013-(0-0.5)	"	4	X	X	X	X	X	X			18
"	"	0910			2WSED14-014-(0-0.5)	"	4	X	X	X	X	X	X			19
"	"	1130			2WSED17-017-(0-0.5)	"	4	X	X	X	X	X	X			20

Turn Around Time: ☐ 24-48 hrs. ☐ 3 days ☐ 1 week ☐ Standard ☐ Other

Relinquished by: (Signature)	Received by: (Signature)	Date:	Time:
Katy M. Garcia		12-6-06	17:00
Fedex		12-7-06	1025

Note: 7, 13, 14, 17
* grain size is a separate workorder

By submitting these samples, you agree to the terms and conditions contained in our most recent schedule of services.

Matrix[1]: W = water, S = soil, SD = solid, L = liquid, SL = sludge, o = oil, CT = charcoal tube, A = air bag

We cannot accept verbal changes. Please fax written changes to (225) 767-5717

WHITE: CLIENT FINAL REPORT — CANARY: LABORATORY — PINK: CLIENT

GCAL-06 11/98

001566

035654

PRESERVATION CHECKLIST / COOLER RECEIPT

Gulf Coast Analytical Laboratories, Inc.

WO:	206120728	**Type:**	D
Desc:		**Report:**	REVIEW_RPT
Work ID:	Gulfco Marine Maintenance Site	**Status:**	WP
Project Seq:	50534	**Created:**	12/7/2006 12:49
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**
20612072801-1	2	NONE			X			X	OK
20612072801-2	16	NONE			X			X	OK
20612072801-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072802-1	2	NONE			X			X	OK
20612072802-2	16	NONE			X			X	OK
20612072802-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072803-1	2	NONE			X			X	OK
20612072803-2	16	NONE			X			X	OK
20612072803-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072804-1	2	NONE			X			X	OK
20612072804-2	16	NONE			X			X	OK
20612072804-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072805-1	2	NONE			X			X	OK
20612072805-2	16	NONE			X			X	OK
20612072805-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072806-1	2	NONE			X			X	OK
20612072806-2	16	NONE			X			X	OK
20612072806-3	4	NONE			X			X	OK

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			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072807-1	2	NONE			X			X	OK
20612072807-2	16	NONE			X			X	OK
20612072807-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072808-1	2	NONE			X			X	OK
20612072808-2	16	NONE			X			X	OK
20612072808-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072809-1	2	NONE			X			X	OK
20612072809-2	16	NONE			X			X	OK
20612072809-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072810-1	2	NONE			X			X	OK
20612072810-2	16	NONE			X			X	OK
20612072810-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072811-1	2	NONE			X			X	OK
20612072811-2	16	NONE			X			X	OK
20612072811-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072812-1	2	NONE			X			X	OK
20612072812-2	16	NONE			X			X	OK
20612072812-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072813-1	2	NONE			X			X	OK
20612072813-2	16	NONE			X			X	OK
20612072813-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072814-1	2	NONE			X			X	OK
20612072814-2	16	NONE			X			X	OK
20612072814-3	4	NONE			X			X	OK

			pH PRESERVATIVE			VOA HEADSPACE			
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072815-1	2	NONE			X			X	OK
20612072815-2	16	NONE			X			X	OK
20612072815-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072816-1	2	NONE			X			X	OK
20612072816-2	16	NONE			X			X	OK
20612072816-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072817-1	2	NONE			X			X	OK
20612072817-2	16	NONE			X			X	OK
20612072817-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072818-1	2	NONE			X			X	OK
20612072818-2	16	NONE			X			X	OK
20612072818-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072819-1	2	NONE			X			X	OK
20612072819-2	16	NONE			X			X	OK
20612072819-3	4	NONE			X			X	OK
Container ID	**Type**	**Preservative**	A	U	N\A	A	U	N\A	**CONTAINER CONDITION**
20612072820-1	2	NONE			X			X	OK
20612072820-2	16	NONE			X			X	OK
20612072820-3	4	NONE			X			X	OK

A = ACCEPTABLE
U = UNACCEPTABLE
N\A = NOT APPLICABLE

COOLER (S) TEMPERATURE A U LIMIT = 4C + \ - 2C

MAXIMUM VOLATILE HEADSPACE BUBBLE 6MM

Custody Seal
used [ ] Yes [ ] No
in tact [ ] Yes [ ] No

LABEL(S) VERIFIED RBC CUSTODIAN MQ

001569

035657

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.: GCAL - 206120731 GEL - 177476			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 3/23/07			
ITEM	**Yes**	**No**	**NA**	**Comment Number**
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			
4. Field QC sample frequency met project requirements?			x	
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			from GCAL
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	
12. MDLs reasonable per DCS?			x	
13. Calibration data acceptable?	x			ecd8 121406
14. ICV and CCV recoveries within project control limits?		x		14. ecd8 121406
15. ICB and CCB results <RL (MQL)?			x	
16. Internal standard areas within project control limits?			x	
Laboratory EDD*				
17. Field sample IDs included?	x			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			
25. No elevated reporting limits?	x			
26. Method references included?	x			
27. Sample matrix included?	x			
28. Sample result units reported correctly?	x			28.
29. Soil/ sediment results corrected for dry-weight?			x	
30. Method blank results <RL (MDL)?	x			
31. Equipment and Trip blank results <RL (MDL)?			x	
32. All COIs included in LCS?	x			
33. LCS recovery within project control limits?	x			
34. MS/MSD recoveries within project control limits?	x			
35. LCS/LCSD RPDs within project control limits?			x	
36. MS/MSD RPDs within project control limits?	x			
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?			x	
39. Surrogate recoveries within project control limits?	x			
40. Completeness percentage within project limits?	x			

035658

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

*QC Checks completed using hardcopy package rather than EDD

10. Issues noted. All are based on laboratory limits, which do not affect flagging for this site, except:

Inverted linear equation used for calibration

ICV low for TCBP (77) on front column due to unknown peak in the ICV but not the ICAL stds. CCVs bracketing the sample pass. (Actually, a deficient CCV brackets the sample. The non-conformance report included in the lab package is for a different QC batch. However, the deficiency still has no effect on data (see no. 14))

Elemental mercury and alumina cleanup used for sample extracts

14. %D for CCV outside criteria as follows. No flagging as this TA is ND in the sample and thus not affected by negative bias (negative %D) on just one column.

CCV1	Tetrachlorobiphenyl (77)	-36%

17. Analyses were subcontracted and thus the field Sample ID is the primary Lab ID (from GCAL).

28. All results in ug/L.

SET SUMMARY
Laboratory Job No.: 206120731

1	Number of Field Samples including Field Duplicates (0)
1	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (PCB Congeners)
31	Number of Target Analytes per Sample
31	Total Measurements for Field Samples
31	Number of measurements with no validation qualifier (i.e., “none” in EDD)
0	Number of measurements with UJ flag
0	Number of measurements with J- flag
0	Number of measurements with J flag
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurement with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of sediment samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of sediment samples with usable data for a specific analyte, project goal 80%) – PCB Congeners

Usability: All data suitable as qualified for the intended use

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
none			

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.: GCAL - 20612072 GEL – 177478			
Reviewer: Taryn Scholz and Don Flory (QAA, L.L.C.)	Date Checked: 3/26/07			
ITEM	**Yes**	**No**	**NA**	**Comment Number**
Chain of Custody (COC) and Sample Receipt at Lab				
1. Signed COCs included and seals used?	x			
2. Date and time of sample collection included?	x			
3. All samples listed on the COC analyzed for in accordance with the RI/FS Work Plan?	x			
4. Field QC sample frequency met project requirements?			x	
5. Sample receipt temperature 2-6°C?	x			
6. Samples preserved appropriately?	x			
7. Samples received within 2 days of collection?	x			from GCAL
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 DCS?			x	
13. Calibration data acceptable?	x			ecd8 121506
14. ICV and CCV recoveries within project control limits?	x			ecd8 121806
15. ICB and CCB results <RL (MQL)?			x	
16. Internal standard areas within project control limits?			x	
Laboratory EDD*				
17. Field sample IDs included?	x			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			
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			
31. Equipment and Trip blank results <RL (MDL)?			x	
32. All COIs included in LCS?	x			
33. LCS recovery within project control limits?	x			
34. MS/MSD recoveries within project control limits?		x		34.
35. LCS/LCSD RPDs within project control limits?			x	
36. MS/MSD RPDs within project control limits?	x			
37. Laboratory duplicate RPDs/Diffs within project control limits?			x	
38. Field duplicate RPDs/Diffs within project control limits?			x	
39. Surrogate recoveries within project control limits?		x		39.
40. Completeness percentage within project limits?	x			

035662

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

*QC Checks completed using hardcopy package rather than EDD

10. Issues noted. All are based on laboratory limits, which do not affect flagging for this site, except:

Inverted linear equation used for calibration

ICV low for TCBP (77) on front column due to unknown peak in the ICV but not the ICAL stds. CCVs bracketing the sample pass (and thus no effect on data).

Elemental mercury and alumina cleanup used for sample extracts

11. Samples 01 and MS/MSD diluted 10x due to oily matrix of the extracts

17. Analyses were subcontracted and thus the field Sample ID is the primary Lab ID (from GCAL).

25. Sample 01 and MS/MSD diluted 10x and only 5-g used so enough for MS/MSD (and thus RLs elevated 60x)

28. All results in ug/kg.

34. Recoveries outside limits (60-140%) for MS/MSD prepared using Sample 01 (2WSED2-002-(0-0.5)) as follows:

Analyte	Ave MS/MSD %R
Decachlorobiphenyl	0
2,4'-DCBP (8)	146
3,3',4,4',5-PCBP (126)	0

MS/MSD both diluted 10x due to oily matrix, which reduced spike level to right at MQL and thus check waived and no qualifiers applied.

39. 4CMX slightly low (57%) on second column for Sample 01, but sample required 10x dilution and first (primary) column acceptable and thus check waived and no qualifiers applied.

ADDITIONAL NOTE: The detect for HCBP (153) in Sample 02 has a laboratory P-flag due to >40% RPD between columns (53%). The higher value from the primary column is reported. The result was qualified as estimated (J-flag).

SET SUMMARY
Laboratory Job No.: 206120732

2	Number of Field Samples including Field Duplicates (0)
1	Number of Field MS/MSD Pairs
0	Number of Equipment Rinsate Blanks
0	Number of Field Blanks
NA	Number of VOC Trip Blanks
1	Number of Parameters (PCB Congeners)
31	Number of Target Analytes per Sample
62	Total Measurements for Field Samples
60	Number of measurements with no validation qualifier (i.e., “none” in EDD)
0	Number of measurements with UJ flag
0	Number of measurements with J- flag
1	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 high RPD between columns)
0	Number of measurements with J+ flag
0	Number of measurements with U flag
0	Number of measurement with NS flag
0	Number of measurements with R flag
100%	Completeness-to-date on a sample level (percentage of sediment samples with usable data, project goal 90%)
100%	Completeness-to-date on an analyte level (percentage of sediment samples with usable data for a specific analyte, project goal 80%) – PCB Congeners

Usability: All data suitable as qualified for the intended use

035664

QUALIFIED DATA TABLE

Field Sample Identification	Analyte	Data Qualifier	Reason for Qualification
2WSED11-011-(0-0.5)	Hexachlorobiphenyl (153)	J	high RPD (53%) between columns, higher value from primary column reported
2WSED11-011-(0-0.5)	Nonachlorobiphenyl (206)	J	result between SDL and SQL

035665

GCAL
GULF COAST ANALYTICAL LABORATORIES, INC

NELAP CERTIFICATE NUMBER 01955

ANALYTICAL RESULTS

PERFORMED BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Report Date 01/16/2007

GCAL Report 206122102

RESUBMITTED

Deliver To	QAA, L.L.C. 1007 Francis Dr College Station, TX 77840 979-694-7199
Attn	Taryn Scholz

Customer Pastor, Behling, & Wheeler

Project Gulfco Marine Maintenance Site

CASE NARRATIVE

Client: Pastor, Behling, & Wheeler **Report:** 206122102

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.

This report is being resubmitted on 3/21/07 to report multiple dilutions for the 8082 analysis on sample 20612210210(TK #22-O).

VOLATILES MASS SPECTROMETRY

In the SW-846 8260B analysis for analytical batches 339453, 339567 and 339515, an MS/MSD was not reported. However, an LCS/LCSD is included for review.

In the SW-846 8260B analysis, samples 20612210217 (DYKE NORTH) and 20612210213 (TK# 2-O (H2O)) had to be diluted due to the presence of non-target background. This dilution is reflected in the elevated reporting limits. Chloroform was detected (102ppb) in sample 20612210217 (DYKE NORTH) above the upper calibration range (100ppb).

In the SW-846 1311/8260B analysis, samples 20612210208 (TK #19-O), 20612210209 (TK #18-O), 20612210212 (TK #13-O) and 20612210216 (21A (TCLP)) had to be diluted due to the presence of non-target background. This dilution is reflected in the elevated reporting limits.

In the SW-846 1311/8260B analysis, sample 20612210204 (TK #2-S) could not be analyzed at a lower dilution due to the recovery of the internal standards being inhibited by the sample matrix. The sample required the dilution to bring the internal standards within limits.

In the SW-846 1311/8260B analysis, sample 20612210214 (TK #2-O (OIL)) had to be diluted due to compounds that were detected above the linear range of the calibration.

In the SW-846 8260B analysis, samples 20612210201 (TK # 17-S), 20612210206 (TK #23-O) and 20612210215 (21A) had to be diluted due to compounds that were detected above the linear range of the calibration.

In the SW-846 1311/8260B analysis, a dilution factor of 40 was performed; however, the TCLP regulatory limits were achieved.

SEMI-VOLATILES MASS SPECTROMETRY

000002
RESUBMITTED

In the SW-846 1311/8270C analysis, samples 20612210204 (TK #2-S) and 20612210210 (TK #22-O) had one surrogate outside of control limits in the acid fraction.

In the SW-846 8270C analysis, sample 20612210218 (DYKE SOUTH) had one surrogate outside of control limits in the acid fraction.

In the SW-846 8270C analysis for prep batch 339600, the MS/MSD exhibited RPD failures. The LCS/LCSD exhibited RPD failures. The 442248 LCS and 442249 LCSD had several recoveries outside the QC limits. This is attributed to the extraction procedure for organic matrix samples.

In the SW-846 8270C analysis for prep batch 339319, 4-Chloroaniline, Benzaldehyde and Benzo(g,h andi)perylene were recovered outside of the established control limits for the LCS and/or LCSD. Di-n-butyl phthalate was detected at low levels in the blank. This is due to probable laboratory contamination.

In the SW-846 8270C analysis, Benzaldehyde and Caprolactam are outside the control limits in the ICV analyzed on instrument MSSV3 on 12/27/06. Pyridine, Aniline, Benzoic Acid, 3-Nitroaniline, Dibenzo(a,h)anthracene and Benzaldehyde are outside the control limits in the ICV analyzed on instrument MSSV3 on 01/03/07.

In the SW-846 8270C analysis, sample 20612210209 (TK #18-O) was concentrated to a final volume of 150 mL rather than 1 mL in the extraction volume due to the sample matrix. This is reflected in elevated detection limits.

In the SW-846 8270C analysis for prep batch 339811, several recoveries were recovered outside of the established control limits for the LCS and/or LCSD. The LCS/LCSD exhibited RPD failures.

SEMI-VOLATILES GAS CHROMATOGRAPHY

In the SW-846 8151A analysis for prep batch 339389, no MS/MSD was performed due to insufficient sample volume. All LCS/LCSD recoveries and RPDs were acceptable.

In the SW-846 8081A and SW-846 8082 analyses for prep batches 339303 and 339425, no MS/MSD was performed due to insufficient sample volume. All LCS/LCSD recoveries and RPDs were acceptable.

In the TNRCC 1005 analysis, samples 20612210219 (TANK #4A), 20612210203 (TK #6-S), 20612210205 (TK #16-O), 20612210206 (TK #23-O), 20612210208 (TK #19-O), 20612210209 (TK #18-O), 20612210210 (TK #22-O), 20612210211 (TK #15-O), 20612210212 (TK #13-O), 20612210215 (21A) and 20612210201 (TK # 17-S) had to be diluted to bracket target compounds within the calibration range of the instrument. This is reflected in elevated reporting limits. The surrogate recovery for o-Terphenyl is reported as DO (diluted out) due to the dilution performed on the samples.

In the SW-846 1311/8081A analysis, samples 20612210209 (TK #18-O), 20612210202 (TK #17-S (TCLP)) and 20612210219 (TANK #4A) had to be diluted to bracket target compounds within the calibration range of the instrument. This is reflected in elevated reporting limits. The surrogate recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene were above QC limits; however, there were no target analytes present in the sample so the data was not affected.

In the SW-846 8082 analysis, a dilution was required for samples 20612210219 (TANK #4A), 20612210210 (TK #22-O), 20612210212 (TK #13-O) and 20612210215 (21A) to eliminate interference from non-target background. This dilution is reflected in elevated detection limits. The surrogate recovery for Decachlorobiphenyl is reported as DO (diluted out) due to the dilution performed on the samples.

In the SW-846 8081A analysis, sample 20612210215 (21A) had to be diluted to bracket target compounds within the calibration range of the instrument. This is reflected in elevated reporting limits. The surrogate recoveries for Decachlorobiphenyl and Tetrachloro-m-xylene are reported as DO (diluted out) due to the dilution performed on the sample.

In the SW-846 8151A analysis of samples 20612210215 (21A), 440638 MS and 440638 MSD, the recovery for the surrogate DCAA was outside control limits. The sample was reanalyzed yielding similar results. This is attributed to matrix interference. The lower result for 2,4,5-T was reported due to coelution on the confirmation column for sample 20612210215 (21A).

In the TNRCC 1005 analysis for prep batch 339252, the MS/MSD exhibited recovery failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

In the SW-846 8082 analysis for prep batch 339320, the MS/MSD exhibited recovery and RPD failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

In the SW-846 8151A analysis for prep batch 339612, the MS/MSD exhibited recovery failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

In the SW-846 1311/8081A analysis for prep batch 339585, the MS/MSD exhibited recovery failures. These recoveries were within limits in the LCS and/or LCSD. This is attributed to matrix interference.

In the SW-846 1311/8081A analysis of samples 442294 MS and 442295 MSD, 20612210210 (TK #22-O), the surrogate recovery for TCMX and DCBP were above QC limits; however, there were no target analytes present in the sample so the data was not affected.

In the SW-846 1311/8151A analysis of sample 20612210203 (TK #6-S), the surrogate recovery for DCAA was above QC limits; however, there were no target analytes present in the sample so the data was not affected.

METALS

In the SW-846 6010B analysis, sample 20612210219 (TANK #4A) had to be diluted in order to bracket the concentrations within the linear dynamic range of the instrument. This is reflected in the elevated detection limits reported.

In the SW-846 1311/7470A analysis, a chemical or physical interference necessitated a dilution for sample 20612210209 (TK #18-O). This is reflected in the elevated reporting limits.

In the SW-846 6010B analysis for prep batch 339405, the MS and/or MSD recovery was outside the control limits for Arsenic. 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 a recovery of 70%. The Sample/Duplicate RPD for Cadmium is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit. The Sample/Duplicate RPD for Calcium and Lead is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

In the SW-846 7470A analysis for prep batch 339401, the MS and/or MSD recovery was outside the control limits for Mercury. The LCS recovery was within the control limits. This indicates the analysis is in control and the sample is affected by matrix interference.

In the SW-846 6010B analysis, the MS recovery is not applicable for Calcium and Iron for prep batch

339395 because the sample concentration is greater than four times the spike concentration.

In the SW-846 6010B analysis, the MS/MSD recoveries and RPD are not applicable for Calcium and Hardness for prep batch 339324 because the sample concentration is greater than four times the spike concentration.

In the SW-846 1311/7470A analysis, the MS was outside the control limits for TCLP Mercury for prep batch 339413. The sample concentration is not within 20% of the regulatory limit; therefore, the data is reportable. The Sample/Duplicate RPD for Mercury was outside the control limits. The heterogeneous nature of the QC sample is believed to be responsible for this.

In the SW-846 1311/6010B analysis, the MS was outside the control limits for TCLP Barium for prep batch 339520. The sample concentration is not within 20% of the regulatory limit; therefore, the data is reportable.

In the SW-846 1311/6010B analysis, the MS was outside the control limits for TCLP Arsenic for prep batch 339412. The sample concentration is not within 20% of the regulatory limit; therefore, the data is reportable. The MS was outside the control limits for TCLP Selenium. The recovery is above 50%; therefore, the data is reportable. The Sample/Duplicate RPD for Barium is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

In the SW-846 7470A analysis the Sample/Duplicate RPD for Mercury for prep batch 339401 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

In the SW-846 7471A analysis the Sample/Duplicate RPD for Mercury for prep batch 339406 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

CONVENTIONALS

The Flashpoint analysis for samples 20612210205 (TK #16-O), 20612210207 (TK #23-O (TCLP)), 20612210208 (TK #19-O), 20612210209 (TK #18-O), 20612210210 (TK #22-O), 20612210211 (TK #15-O), 20612210212 (TK #13-O), 20612210214 (TK #2-O (OIL)), 20612210216 (21A (TCLP)), was performed by SW-846 Method 1010. The matrix is identified as a solid; while solid samples do not fall within the scope of this method, this sample is a liquid.

The Sample/Duplicate RPD for Total Suspended Solids for analytical batch 339230 is not applicable because the sample and/or duplicate concentration is less than five times the reporting limit.

2F

ORGANICS SURROGATE RECOVERY

Lab Name: GCAL Contract:

Lab Code: LA024 Case No.: SAS No.: SDG No.: 206122102

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.	TK # 17-S	111								0
2.	TK #6-S	120								0
3.	TK #16-O	110								0
4.	TK #23-O	133								0
5.	TK #19-O	151								0
6.	TK #18-O	95								0
7.	TK #22-O	0	D							0
8.	TK #15-O	108								0
9.	TK #13-O	0	D							0
10.	21A	0	D							0
11.	TK #22-O RE	204	*							1
12.	MB441023	119								0
13.	LCS441024	117								0
14.	LCSD441025	120								0
15.	TK # 17-SMS	292	*							1
16.	TK # 17-SMSD	454	*							1
17.	MB441606	80								0
18.	LCS441607	77								0
19.	LCSD441608	81								0

CONTROL LIMITS

SMC 1 : Decachlorobiphenyl 56 159

SMC 2 :

Column to be used to flag recovery limits

* Value outside of contract required limits

D Surrogate diluted out

001792

RESUBMITTED

035671

4C

ORGANIC METHOD BLANK SUMMARY

Lab Name: GCAL | Sample ID: MB441023

Lab Code: LA024 | Case No.: | Contract:

Lab Sample ID: 441023 | SAS No.: | SDG No.: 206122102

Matrix: Soil | Sulfur Cleanup: (Y/N) N | Date Extracted: 12/24/06

Date Analyzed (1): 12/28/06 | Time (1): 2018 | Date Analyzed (2): | Time (2):

Instrument ID (1): GCS17A | Instrument ID (2):

GC Column (1): RTX-35MS-3 | ID: .25 (mm) | GC Column (2): | ID: (mm)

Method: SW-846 8082 | Prep Batch: 339320 | Analytical Batch: 339738

Lab File ID: 2061228/sv17a0

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES

	SAMPLE NO.	LAB SAMPLE ID	DATE ANALYZED	TIME ANALYZED	DATE ANALYZED	TIME ANALYZED
1.	LCS441024	441024	12/28/06	2039		
2.	LCSD441025	441025	12/28/06	2100		
3.	TK # 17-S	20612210201	12/28/06	2121		
4.	TK # 17-SMS	441026	12/28/06	2142		
5.	TK # 17-SMSD	441027	12/28/06	2203		
6.	TK #6-S	20612210203	12/28/06	2224		
7.	TK #16-O	20612210205	12/28/06	2245		
8.	TK #23-O	20612210206	12/28/06	2307		
9.	TK #19-O	20612210208	12/29/06	0010		
10.	TK #18-O	20612210209	12/29/06	0031		
11.	TK #22-O RE	20612210220	12/29/06	0052		
12.	TK #15-O	20612210211	12/29/06	0113		
13.	TK #22-O	20612210210	12/29/06	1410		
14.	TK #13-O	20612210212	12/29/06	1431		

001798
RESUBMITTED

1D

ORGANICS ANALYSIS DATA SHEET

Lab Name: GCAL | Sample ID: TK #22-O RE

Lab Code: LA024 | Case No.: | Contract:

Matrix: Soil | SAS No.: | SDG No.: 206122102

Sample wt/vol: 1 | Units: g | Lab Sample ID: 20612210220

Level: (low/med) LOW | Date Collected: 12/14/06 | Time: 1500

% Moisture: | decanted: (Y/N) | Date Received: 12/20/06

GC Column: RTX-35MS-3 | ID: .25 (mm) | Date Extracted: 12/24/06

Concentrated Extract Volume: 10000 (µL) | Date Analyzed: 12/29/06 | Time: 0052

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: 339320 | Analytical Batch: 339738 | Sulfur Cleanup: (Y/N) N | Instrument ID: GCS17A

CONCENTRATION UNITS: *mg/kg* | Lab File ID: 2061228/sv17a024

CAS NO.	COMPOUND	RESULT	Q	MDL	RL
12674-11-2	Aroclor-1016	1.20	U	0.161	1.20
11104-28-2	Aroclor-1221	1.20	U	0.275	1.20
11141-16-5	Aroclor-1232	1.20	U	0.302	1.20
53469-21-9	Aroclor-1242	1.20	U	0.352	1.20
12672-29-6	Aroclor-1248	1.20	U	0.234	1.20
11097-69-1	Aroclor-1254	1.20	U	0.195	1.20
11096-82-5	Aroclor-1260	1.20	U	0.163	1.20

001841A

Data File: /var/chem/gcsv17a.i/2061228.b/sv17a024.d
Report Date: 21-Mar-2007 09:02

GCAL, Inc.

Data file : /var/chem/gcsv17a.i/2061228.b/sv17a024.d
Lab Smp Id: 20612210220
Inj Date : 29-DEC-2006 00:52
Operator : tls Inst ID: gcsv17a.i
Smp Info : 20612210220*1
Misc Info : GCSV~10800~*
Comment :
Method : /var/chem/gcsv17a.i/2061228.b/pest35MS.m
Meth Date : 13-Mar-2007 10:06 tls Quant Type: ESTD
Cal Date : 25-NOV-2006 00:47 Cal File: sv17a024.d
Als bottle: 24
Dil Factor: 1.00000
Integrator: Falcon Compound Sublist: pcb.sub
Target Version: 3.50
Processing Host: org.gcal.com

Concentration Formula: Amt * DF * Uf * Vt/(Vi * Ws * (100 - M)/100) * CpndVariab

Name	Value	Description
DF	1.00000	Dilution Factor
Uf	1.00000	Correction factor
Vt	10.00000	Volume of final extract (uL)(1000 low, 2
Vi	1.00000	Volume injected (uL)
Ws	1.00000	Weight of sample extracted (g)
M	0.00000	% Moisture

Cpnd Variable Local Compound Variable

Compounds	RT	EXP RT	DLT RT	RESPONSE	CONCENTRATIONS ON-COLUMN (UG/L)	CONCENTRATIONS FINAL (UG/KG)
$ 1 Tetrachloro-m-xylene	4.935	4.936	-0.001	8098259917	1656.97	17000(A)
$ 22 Decachlorobiphenyl	12.832	12.825	0.007	370514257	102.119	1000(M2)

QC Flag Legend

A - Target compound detected but, quantitated amount exceeded maximum amount.
M2- Compound response manually integrated because Target system integrated incorrectly.

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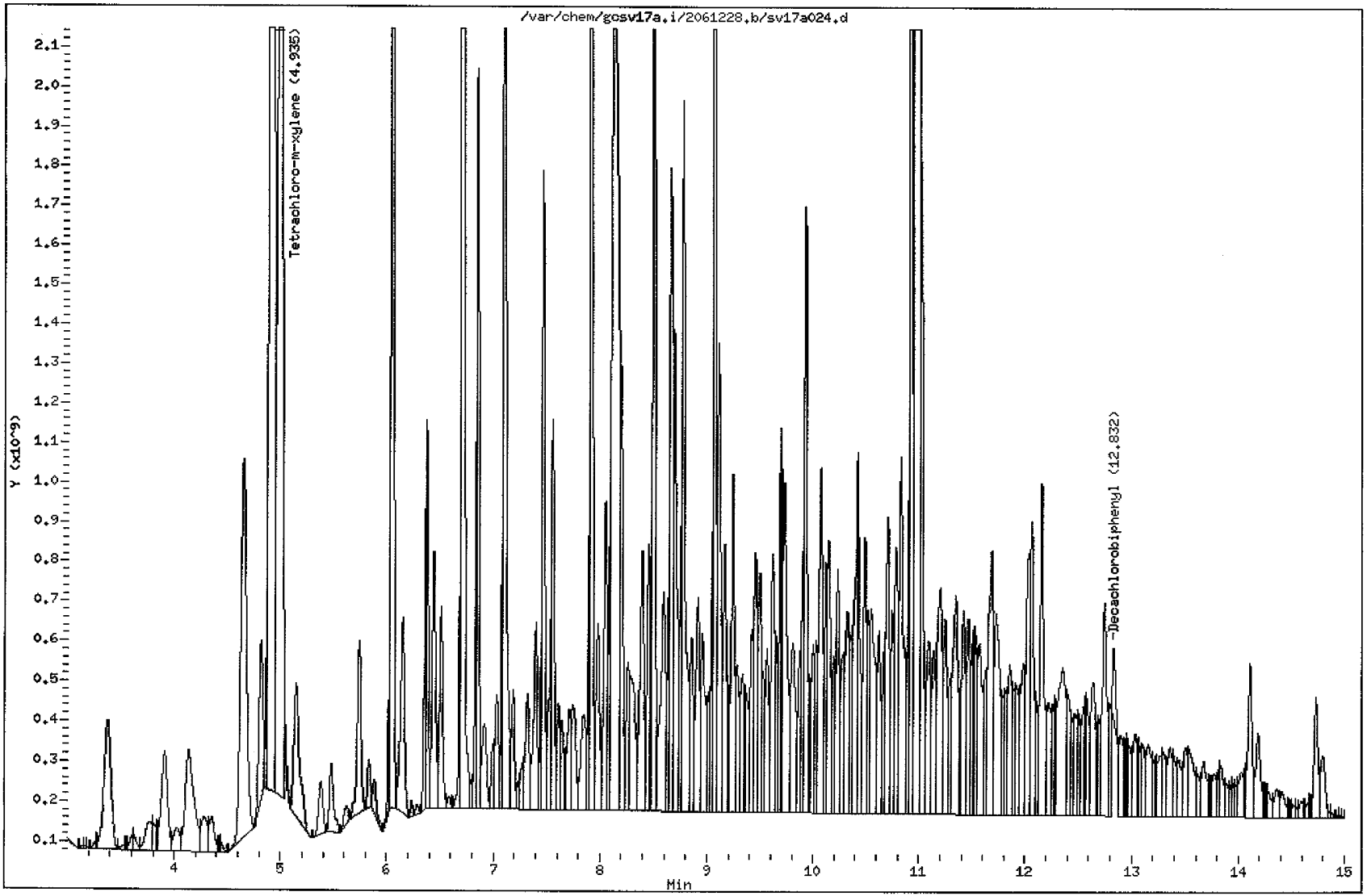
Data File: /var/chem/gcsv17a.i/2061228.b/sv17a024.d
Date : 29-DEC-2006 00:52
Client ID:
Sample Info: 20612210220X1
Volume Injected (uL): 1.0
Column phase: RTX-35MS-30M

Instrument: gcsv17a.i

Operator: tls
Column diameter: 0.32

GC18411C

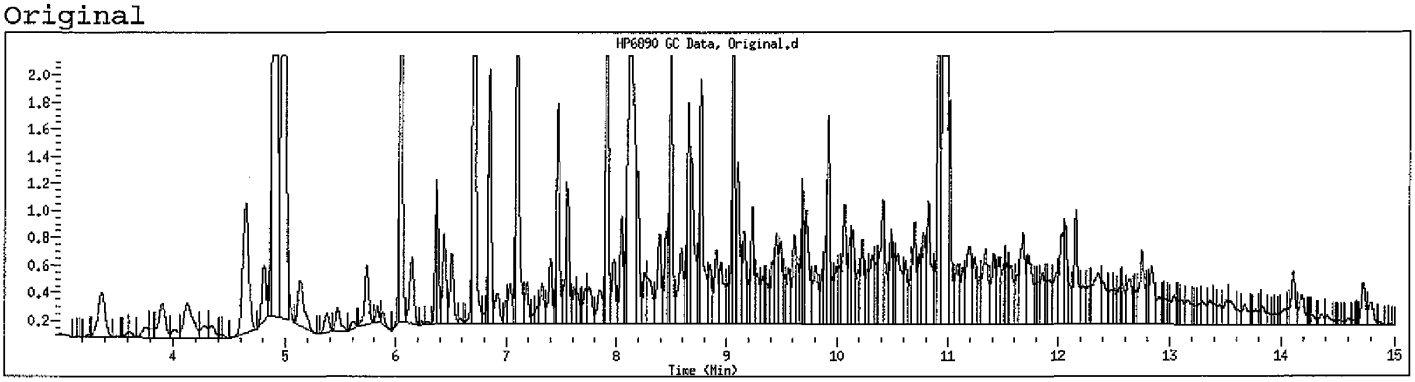


Data file : /var/chem/gcsv17a.i/2061228.b/sv17a024.d Page: 1
Report Date: 03/21/2007 09:02

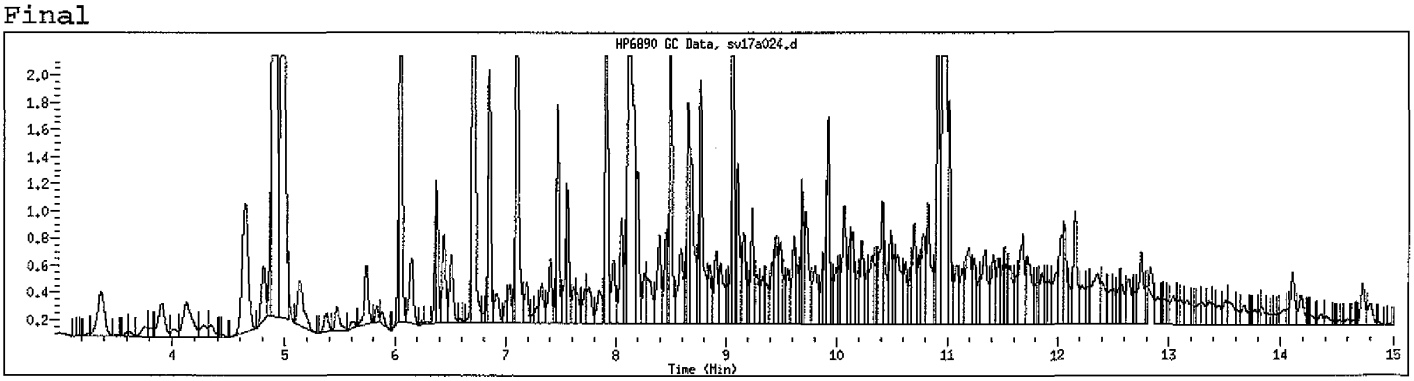
MANUAL INTEGRATION GRAPHIC REPORT

Lab ID	: 20612210220	SampleType	: SAMPLE
Injection Date	: 12/29/2006 00:52	Instrument	: gcsv17a.i
Operator	: tls		
Sample Info	: 20612210220*1		
Misc Info	: GCSV~10800~*		
Method	: /var/chem/gcsv17a.i/2061228.b/pest35MS.m		
Dilution	: 1.0		
Matrix	: SOIL		
Integrator	: Falcon	Compound Sublist	: pcb

Original



Final



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